Appendix A

American River Watershed Common Features 2016 Project, American River Contract 3A and 4A Wildlife Habitat Survey Report

AMERICAN RIVER COMMON FEATURES 2016 PROJECT

Wildlife Habitat Survey Report

Prepared for
U.S. Army Corps of Engineers
Central Valley Flood Protection Board
Sacramento Area Flood Control Agency

February 2022

ESA

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Acronyms and Other Abbreviations

Acronym or Abbreviation	Definition
ARCF GRR EIS/EIR	*American River Common Features General Reevaluation Report, Final Environmental Impact Statement/Environmental Impact Report*
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CNDDB	California Natural Diversity Database
FESA	Federal Endangered Species Act
LAR	Lower American River
MBTA	Migratory Bird Treaty Act
NEPA	National Environmental Policy Act
Project	American River Common Features 2016 Project
RM	river mile
USACE	U.S. Army Corps of Engineers
USC	U.S. Code
USFWS	U.S. Fish and Wildlife Service
VELB	valley elderberry longhorn beetle

EXECUTIVE SUMMARY

In an effort to reduce flood risk in the Sacramento Region, the U.S. Army Corps of Engineers (USACE), the Central Valley Flood Protection Board, and the Sacramento Area Flood Control Agency have partnered to complete the American River Common Features 2016 Project (Project). In July 2018, Congress granted the USACE construction funding to complete this urgent flood control project under the Bipartisan Budget Act of 2018.

Most of the Project's environmental effects were addressed in the Revised 2016 American River Common Features General Reevaluation Report (ARCF GRR), Final Environmental Impact Statement/Environmental Impact Report (EIS/EIR) (USACE 2016). This report was prepared to support a supplemental National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) analysis by characterizing terrestrial wildlife species and the natural communities along the Lower American River (LAR). The Contract 3A site (Site 1-1) covers approximately 30 acres from roughly river mile (RM) 3.8 to 4.2 and Contract 4A site (Site 1-17B), encompasses approximately 150-acres and is set back from the river and parallels the levee. The erosion protection and work areas (staging and access) had not been defined for Contract 4A, so a much larger area was surveyed to accommodate future adjustments to the footprints of Contracts 3A and 4A. This reach is referred to as Subreach 1 and is one of four established subreaches along the LAR for the Project. It is important to note that Subreach 1 is within the area identified in the GRR as Reach A for both the American River North (ARN) and American River South (ARS) study basins. The survey area encompasses only that portion of Subreach 1 that has been identified as having an unacceptable risk of levee failure due to erosion. Erosion protection measures have been proposed for these sites to improve the levees. The survey area includes the two sites, their associated (or potential) work areas, staging areas, access routes, and associated buffers. Two buffer areas were established for the survey: a 100-foot buffer where the survey area abuts residential and commercial neighborhoods as well as railroad properties, and a 500-foot buffer in parkway areas along the Lower American River where the potential for sensitive species to be present is higher.

Although the constructed levee system and surrounding infrastructure have modified most of the survey area's native vegetation types and habitats, remnant stands of native vegetation are present. Natural communities present in the survey area include riverine (open water), annual grassland, mixed oak woodland, upland scrub, riparian scrub, and riparian woodland. Several sensitive natural communities (present in the aforementioned communities) also occur within the survey area. The natural communities were cross referenced with the California Wildlife Habitat Relationships System, which describes predominant wildlife species observed in these communities. Non-native communities and disturbed/developed areas that do not correspond to natural communities are also present in the survey area. Although these areas generally provide

fewer habitat opportunities for wildlife, they may still provide cover and forage for some species.

One California species of special concern, a migrant yellow warbler, was observed during field surveys in the survey area. In addition, although it was not observed, the Federally listed threatened valley elderberry longhorn beetle was assumed present based on the occurrence of its host plant and exit holes indicating its presence. Several other sensitive species have high potential to occur in the survey area, including nesting migratory birds and raptors and protected bat species.

CHAPTER 1
Introduction

1.1 Background and Purpose

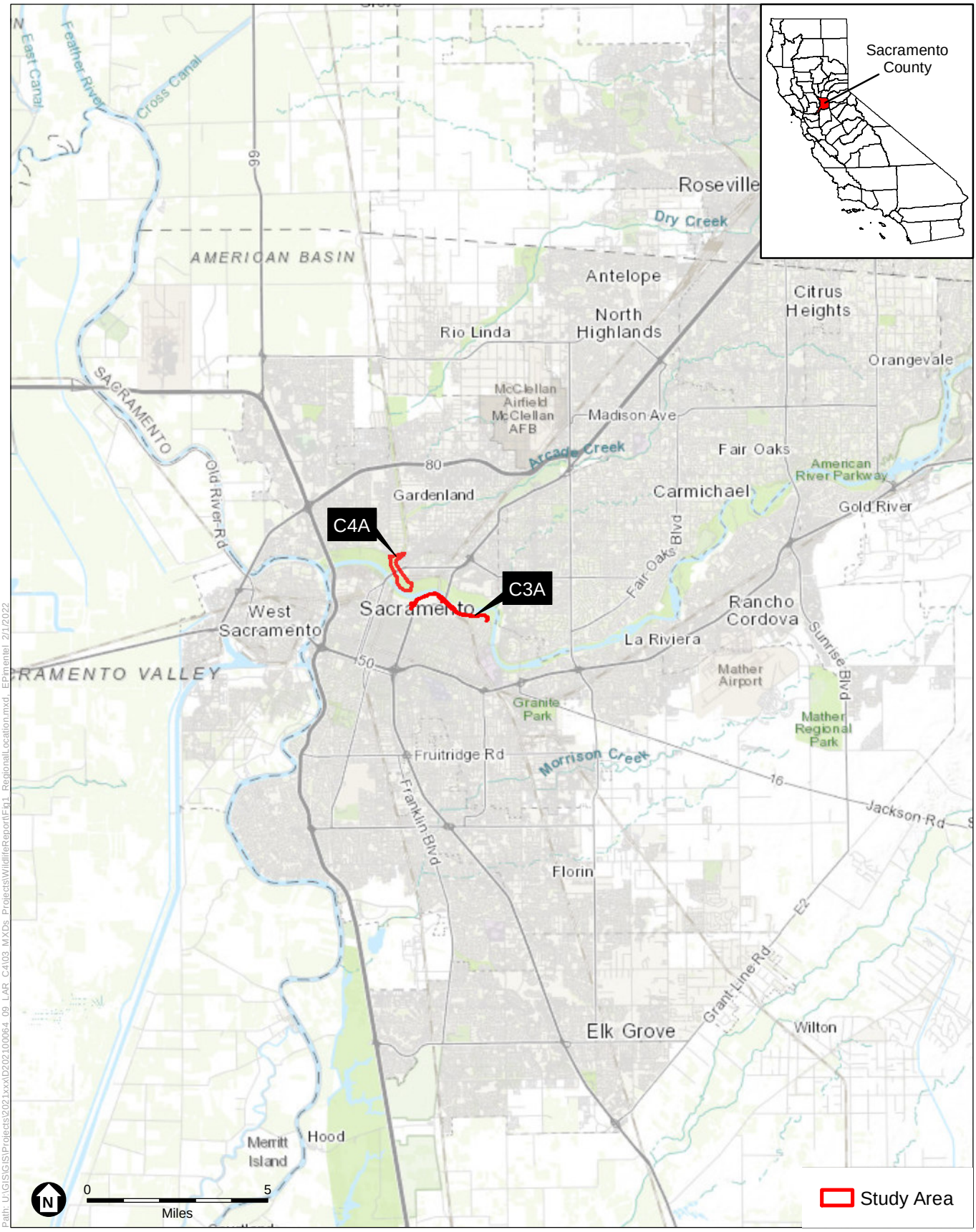
The U.S. Army Corps of Engineers (USACE), the Central Valley Flood Protection Board, and the Sacramento Area Flood Control Agency are partnering to complete the American River Common Features 2016 Project (Project) to reduce flood risk for the Sacramento region. This report was prepared to support a supplemental environmental analysis of planned levee improvements to address erosion within Subreach 1, one of the four subreaches of the leveed reach of the American River that have been established for the purposes of analysis for this Project. Although most of the Project's environmental effects were addressed in the 2016 *American River Common Features General Reevaluation Report, Final Environmental Impact Statement/Environmental Impact Report* (ARCF GRR EIS/EIR), a supplemental environmental analysis under the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) is underway to address the environmental effects of changed circumstances and new information regarding the Project that were not covered in the ARCF GRR EIS/EIR.

Subreach 1 is located along the Lower American River (LAR) and extends from the mouth of the river at its confluence with the Sacramento River to river mile (RM) 5.2. Within Subreach 1, two sites requiring levee modification were identified: Site 1-1 and Site 1-17B. Subreach 1 is within the area identified in the GRR as Reach A for both the American River North (ARN) and American River South (ARS) study basins.

The intent and scope of this report are to characterize biological resources present within the erosion protection areas, their associated work areas, staging areas, access routes, and associated buffers. Two buffer areas were established for the survey: a 100-foot buffer where the survey area abuts residential and commercial neighborhoods and inaccessible railroad property, and a 500-foot buffer in parkway areas along the Lower American River where the potential for sensitive species to be present is higher. The surveys focused on terrestrial wildlife and natural communities that could provide habitat for these species.

1.2 Property Location

The survey areas for American River Contracts 3A and 4A are located in Subreach 1 of the LAR, Sacramento, between the mouth of the LAR at the confluence of the Sacramento River (RM 0) and Paradise Bend (RM 5.2) (**Figure 1**). The survey areas are bordered on the north by commercial properties, including Cal Expo and railroad property and residential neighborhoods on the south (**Figure 2**).



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SOURCE: Esri, 2021; ESA, 2022

American River Common Features Contracts 3A and 4A

Figure 1
Regional Location

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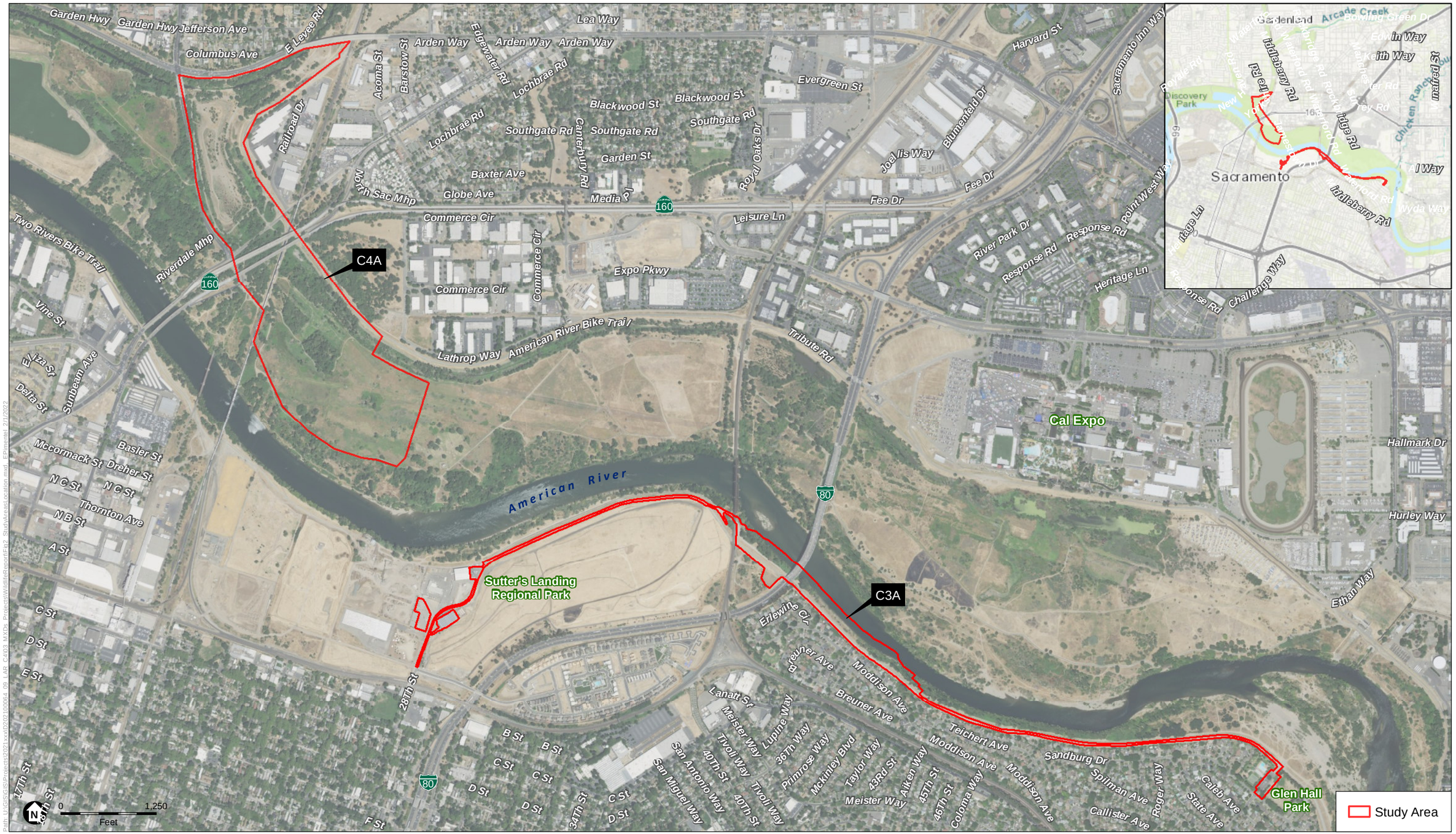

SOURCE: Esri, 2021; USDA, 2018; ESA, 2022

American River Common Features Contracts 3A and 4A

Figure 2
Study Area

ESA

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The Contract 3A site is located in Township 9 north, Range 5 east, Sections 32 and 33, and Township 8 north, Range 5 east, Sections 3 and 4 and the Contract 4A site falls within Township 9 north, Range 5 east, Sections 30 and 31 of the Sacramento East, California U.S. Geological Survey (USGS) 7.5-minute series quadrangle.

The survey area includes two sites requiring levee modification, along with their associated staging areas and access roads, approximately between RM 2.8 and RM 5.4 (Figure 2):

- The site for Contract 3A (Site 1-1) is located on the left bank of the LAR between LAR RM 3.8 and 4.2 from downstream of the Interstate 80 Business (I-80 or Capital City Freeway) to underneath and upstream of the Capital City Freeway.
- The site for Contract 4A (*Site 1-17B*) is located on the right bank and runs parallel to the levee from Del Paso Road to approximately 1,100 feet to the southeast crossing under the railroad bridge and Highway 160 (North Sacramento Freeway). In this section of the LAR, the levee is set back from the channel during summer flows by approximately 1,800 feet. It is situated approximately between RM 1.9 and 2.2. The design for Contract 4A has not been completed, so the survey area was expanded to capture a much larger area to provide flexibility for access and staging areas.

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CHAPTER 2
Methods

2.1 Survey Area

In this report, the term "survey area" refers to the area where direct, indirect, or cumulative effects on biological resources could occur as a result of the proposed levee work. This area includes the two levee erosion protection sites and the associated staging areas and access roads. The footprint of proposed activities was generally the starting point for defining the biological survey area; however, in practical terms, biological resources have varied sensitivity to disturbance and many species need a somewhat larger survey area. The survey area therefore includes the footprint of the proposed facilities, plus a buffer ranging from approximately 100 feet to 500 feet, depending on habitat quality and access (Figure 2).

2.2 Survey Methodology

2.2.1 Survey Dates and Survey Personnel

ESA wildlife biologists Kelly Bayne and Christy Dawson conducted reconnaissance-level wildlife surveys and habitat assessments of the survey areas on November 12, 2021, and December 1, 2021. The survey was conducted to observe and characterize vegetation communities, previously mapped in 2018, to assess habitat quality, and to determine the potential for common and special-status wildlife species to occur.

In addition to this general survey, focused surveys for valley elderberry longhorn beetle (VELB) were conducted by ESA biologists for Contract 3A between September 20 and October 10, 2019, and September 1, 2021 and for Contract 4A on September 22, 2021. These surveys were performed in accordance with methods described in U.S. Fish and Wildlife Service (USFWS) publications for VELB (USFWS 2017).

2.2.2 Natural Communities and Vegetation Surveys

Vegetation communities were surveyed in August 2018 to map natural and sensitive communities to the alliance level as described in the *Manual of California Vegetation, second edition* (Sawyer et al. 2009). The vegetation community mapping was confirmed to still be accurate during the various site visits in 2021. Protocol-level botanical surveys were not conducted for the survey area, but will be conducted in spring and summer 2022, when special-status plants with potential to occur in the survey area will be flowering and will be reported separately from this report.

2.2.3 Wildlife Surveys

The wildlife surveys cataloged any common or special-status wildlife species observed in the survey area and determined the potential for the presence of suitable habitat for special-status wildlife species. The wildlife surveys were performed by walking meandering transects over the entire survey area to identify features that support wildlife species. A record was kept of all wildlife species encountered. Special-status species were mapped, and global positioning system coordinates were collected for each occurrence.

2.3 Review of Background Information

Before conducting reconnaissance-level vegetation and wildlife surveys, ESA reviewed publicly available and subscription-based data on biological resources. The field surveys provided partial confirmation of the accuracy of publicly available data. The following data sources assisted in this analysis:

- Topographic maps (Sacramento East and surrounding eight 7.5-minute quadrangles)
- Historic and current aerial imagery
- California Wildlife Habitat Relationships database
- The California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB) for the quadrangles indicated below
- A USFWS species list for the survey area in Figure 2 generated using the online Information for Planning and Consultation (IPaC) database

Several wildlife species known to occur in or in the vicinity of the survey area are protected under Federal and/or State endangered species laws or have been designated as species of special concern by CDFW. In addition, Section 15380(b) of the State CEQA Guidelines provides a definition of rare, endangered, or threatened species that are not included in any listing. Species recognized under these terms are referred to collectively as “special-status species.”

A list of special-status wildlife species with potential to occur in or in the vicinity of the survey area was compiled from a nine-quadrangle search of the CNDDB (CDFW 2021), a search of the USFWS Information for Planning and Consultation endangered species database (USFWS 2021), and biological literature of the region. The search encompassed the following 7.5-minute U.S. Geological Survey topographic quadrangles:

Taylor Monument	Rio Linda	Citrus Heights
Sacramento West	Sacramento East	Carmichael
Clarksburg	Florin	Elk Grove

Each species on the list was assessed individually based on its habitat requirements and distribution relative to the location and vegetation communities that occur in and around the survey area. Those species with a moderate or high potential to occur in the survey area are described in Chapter 3 in greater detail. If habitat was not present or the survey area is outside of the known range of the species, the species was assumed absent and excluded from the list.

The "Potential to Occur" categories are defined as follows:

- **Low**: The survey area provides only limited and low-quality habitat for a particular species. In addition, the known range for a particular species may be outside of the survey area.
- **Moderate**: The survey area and/or immediate vicinity provides suitable habitat for a particular species.
- **High**: The survey area and/or immediate vicinity provide ideal habitat conditions for a particular species and/or known populations occur in the survey areas or within its immediate vicinity.
- **Present:** The species was observed during the biological surveys within the survey area.

In addition to the above resources, background information for the Project can be found in the ARCF GRR Final EIS/EIR (USACE 2016), which was reviewed during preparation of this report.

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CHAPTER 3
Environmental Setting

3.1 Natural Communities and Associated Wildlife Habitats

Natural communities are assemblages of plant species that occur together in the same area and are defined by species composition and relative abundance. The natural communities described here are largely consistent with the CDFW natural communities, which comply with the National Vegetation Classification Standard. These communities were cross walked from previously mapped alliances, in accordance with the membership rules described in the *Manual of California Vegetation, second edition* (Sawyer et al. 2009). A crosswalk table is presented in **Appendix A**.

Botanical taxonomy and nomenclature conform to *The Jepson Manual: Vascular Plants of California, second edition* (Baldwin et al. 2012), as revised by the Jepson eFlora (Jepson Flora Project 2019). Common names of plant species are derived from the Jepson Manual or Calflora (2019). Plant communities generally correlate with wildlife habitat types; wildlife habitats were classified and evaluated using *A Guide to Wildlife Habitats of California* (Mayer and Laudenslayer 1988).

Natural communities present in the survey area include open water, California annual grassland, mixed oak woodland, upland scrub, riparian scrub, riparian woodland, and fresh emergent wetlands all of which support various life stages for a wide array of wildlife. Non-native communities, invasive plants, and disturbed/developed areas that do not correspond to natural communities also are present in the survey area. Although these areas generally provide fewer habitat opportunities for wildlife, they may still provide cover and forage. **Figures 3a** and **3b** identify the distribution of native and non-native communities in the survey area.

Appendix B, Tables B-1 and B-2, respectively, present lists of wildlife and plant species that were observed during focused and reconnaissance-level surveys. A complete plant list will be developed during botanical surveys.

3.1.1 California Annual Grassland

Grasslands can be found throughout the survey area, typically in upland areas, and consist mainly of non-native grasses and forbs.[1] Common grass species observed in this community include wild oat (*Avena barbata*), bromes (*Bromus diandrus, B. hordeaceus*), foxtail barley (*Hordeum*

[1] Annual grasslands were previously called “ruderal herbaceous” in the 2016 ARCF GRR EIS/EIR.

murinum), rye grass (*Festuca perennis*), Bermuda grass (*Cynodon dactylon*), and Johnson grass (*Sorghum halepense*). Pockets of native grasses, such as beardless wild rye (*Elymus triticoides*), occur sporadically throughout the grasslands in the survey area as well.

An assemblage of native and non-native forbs also occurs in these grasslands. Among the many common non-native forbs observed are spring vetch (*Vicia sativa ssp. sativa*), cranes bill (*Geranium dissectum*), Italian thistle (*Carduus pycnocephalus*), yellow star thistle (*Centaurea solstitialis*), prickly lettuce (*Lactuca serriola*), poison hemlock (*Conium maculatum*), wild radish (*Raphanus sativus*), bull thistle (*Cirsium vulgare*), rose clover (*Trifolium hirtum*), and white sweet clover (*Melilotus indicus*). Some common native forbs observed include Canada horseweed (*Erigeron canadensis*), fringed willowherb (*Epilobium ciliatum*), ragweed (*Ambrosia psilostachya*), and turkey-mullein (*Croton setiger*).

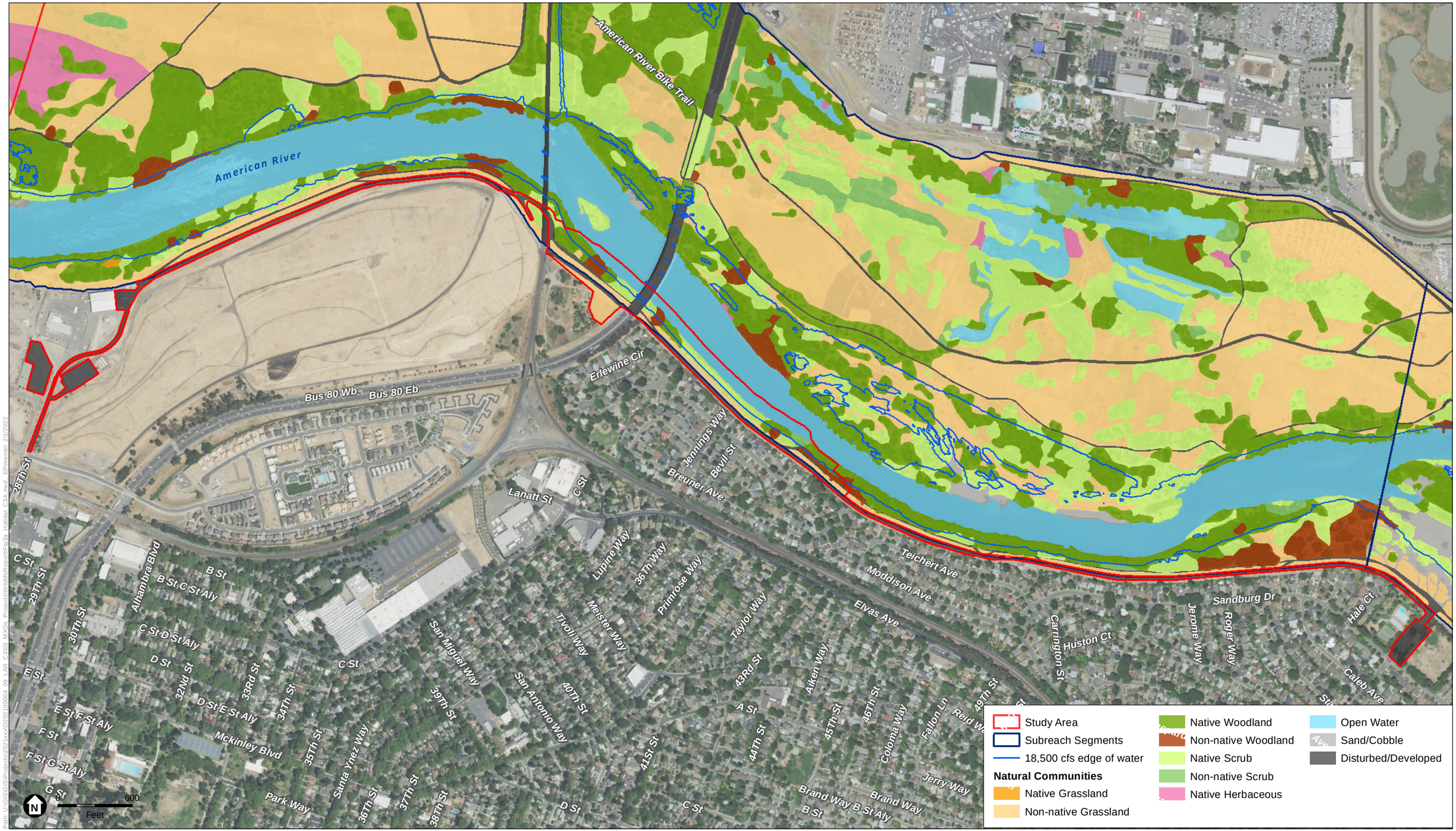
The species composition and structure of grasslands in the survey area vary. Some areas are relatively homogeneous, dominated by one or two species such as yellow star thistle and Bermuda grass, and other areas are much more heterogeneous, with several species occurring. Also, although some annual grasslands occur on levee slopes, most of these areas are mowed regularly and thus may provide fewer habitat opportunities for some wildlife species than unmowed grassland areas.

Wildlife Habitat Relationship with California Grassland

Annual grassland provides little cover for most wildlife, yet numerous species forage and several species breed in this habitat type. Grasslands attract bees and other insects that rely on flowering grassland species. They also attract reptiles and amphibians, such as western fence lizard (*Sceloporus occidentalis*), common garter snake (*Thamnophis sirtalis*), and gopher snake (*Pituophis melanoleucus*); and birds, including California quail (*Callipepla californica*), western bluebird (*Sialia mexicana*), lesser goldfinch *(Carduelis psaltria*), and barn swallow (*Hirundo rustica*).

Common small mammals expected to occur in grasslands in the survey area include western harvest mouse (*Reithrodontomys megalotis*), deer mouse (*Mus musculus*), California vole (*Microtus californicus*), black-tailed jackrabbit (*Lepus californicus*), and Botta's pocket gopher (*Thomomys bottae*). Small rodents, reptiles, and invertebrates attract raptors (birds of prey) including red-tailed hawk (*Buteo jamaicensis*), red-shouldered hawk (*Accipiter striatus*), and American kestrel (*Falco sparverius*), and special-status birds such as white-tailed kite (*Elanus leucurus*), burrowing owl (*Athene cunicularia*), and Swainson's hawk (*Buteo swainsoni*).

Non-native grasslands are important foraging grounds for aerial and ground-foraging insect eaters such as *Myotis* bat species and pallid bats (*Antrozous pallidus*). Larger mammals such as black-tailed deer (*Odocoileus hemionus*) and coyote (*Canis latrans*) were observed moving through grasslands along the American River during the biological resources surveys conducted in 2018 and 2019.



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SOURCE: NHC, 2021; USACE, 2021; ESA, 2022

American River Common Features Contracts 3A and 4A

Figure 3a
Natural Communities of the Lower American River
Contract 3A Project Site

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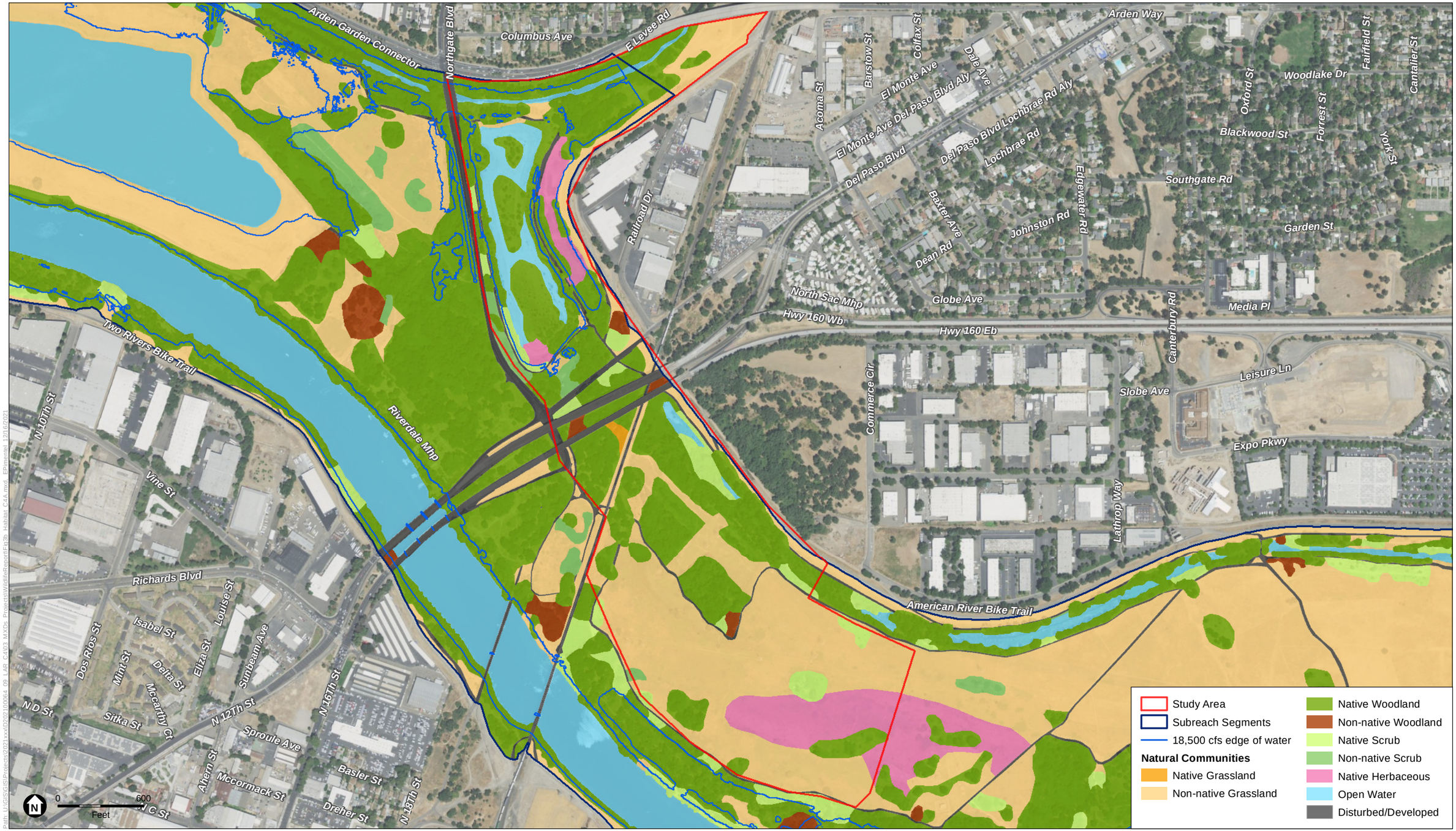

SOURCE: NHC, 2021; USACE, 2021; ESA, 2021

American River Common Features Contracts 3A and 4A

Figure 3b
Natural Communities of the Lower American River
Contract 4A Project Site

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3.1.2 Mixed Oak Woodland and Upland Scrub

Oak Woodland

Oak woodlands within the survey area are dominated by coast live oak (*Quercus agrifolia*), valley oak (*Q. lobata*), and interior live oak (*Q. wislizeni*); Northern California black walnut (*Juglans hindsii*) and California bay (*Umbellularia californica*) are less frequent contributors to the tree canopy.

Oak woodlands in the survey area support a variety of understory plant species and vegetative structures. When no shrub layer is present, an annual grassland is the dominant understory and includes the common species described above for the California annual grassland community description. When oak woodlands support understory shrubs, common native shrubs observed include California rose (*Rosa californica*), California blackberry (*Rubus ursinus*), blue elderberry (*Sambucus nigra* ssp. *caerulea*), and coyote brush (*Baccharis pilularis* ssp. *consanguinea*).

Oak woodland is considered a sensitive natural community by CDFW and includes Great Valley oak/oak riparian forest.

Upland Scrub

Upland scrub habitat in the survey area consists of areas dominated by native and non-native shrubs that have no tree cover and contain the common herbaceous species described above for California annual grassland. Common native shrub species observed are coyote brush, blue elderberry, California rose, California blackberry, western redbud (*Cercis occidentalis*). California grape (*Vitis californica*), a vine, also commonly occurs.

Wildlife Habitat Relationships with Mixed Oak Woodland and Upland Scrub

Animals within oak woodland habitat in the survey area include those heavily reliant on acorns, such as the acorn disseminators California scrub jay (*Aphelocoma californica*), acorn woodpecker (*Melanerpes formicivorus*), and western gray squirrel (*Sciurus griseus*). Wild turkey (*Meleagris gallopavo*), California quail, and black-tailed deer use acorns as a major food source. Deer also use the foliage of several hardwoods.

Oak titmouse (*Baeolophus inornatus*), dark-eyed junco (*Junco hyemalis*), ash-throated flycatcher (*Myiarchus tuberculifer*), northern flicker (*Colaptes auratus*), lesser goldfinch (*Carduelis psaltria*), and great horned owl (*Bubo virginianus*) nest in woodland habitat. Cavity nesters include western bluebird, and ash-throated flycatcher. Special-status birds such as Cooper's hawk (*Accipiter cooperii*) and sharp-shinned hawk (*A. striatus*) are known to nest in these woodlands. The pallid bat, also a special-status species, may inhabit these woodlands as well.

Amphibians and reptiles can be found on the forest floor where moisture is retained under fallen wood and in tree crevices; among these species are California toad (*Anaxyrus boreas halophilus*) and Sierran treefrog (*Pseudacris sierra*). Reptiles include western fence lizard, southern alligator

lizard (*Elgaria multicarinata multicarinata*), ringneck snake (*Diadophis punctatus*), gopher snake, western rattlesnake (*Crotalus viridis helleri*), and California king snake (*Lampropeltis zonata*). Many of these species will also use adjacent upland scrub areas for foraging or cover.

3.1.3 Valley Foothill Riparian

Riparian Scrub

Riparian scrub habitat in the survey area consists of shrub-dominated areas that are subject to hydrologic influence from the LAR. These areas are dominated by sandbar willow (*Salix exigua*), arroyo willow (*S. lasiolepis*), common button bush (*Cephalanthus occidentalis*), California rose, California blackberry, California wild grape, blue elderberry, and Himalayan blackberry. Areas that experience high flows typically do not support herb species and cobbles tend to be the dominant ground cover. Areas that experience slower flows support a variety of herb species including mugwort (*Artemisia douglasiana*), marsh brittlegrass (*Setaria parviflora*), Santa Barbara sedge (*Carex barbarae*), and beardless wild rye.

Riparian Woodland

Riparian woodlands in the survey area are tree-dominated areas that are subject to frequent hydrologic influence from the LAR. These areas are dominated by Fremont cottonwood (*Populus fremontii*), Goodding's willow (*Salix gooddingii*), box elder (*Acer negundo*), and California and non-native sycamore (*Platanus racemosa; Platanus* sp.). Oregon ash (*Fraxinus latifolia*), valley and live oak, and black locust as less frequent contributors to the tree canopy. Riparian woodlands support a variety of shrubs and herbs similar to those described above for the riparian scrub community.

Wildlife Habitat Relationships with Valley Foothill Riparian

Many wildlife species are dependent on riparian habitats for water, food, and cover. Several species of raptors—red-shouldered hawk, Cooper's hawk, great horned owl, and the State-listed Swainson's hawk—build their nests in the crowns of cottonwood, valley oak, and other large trees that grow on the landside and waterside of the levees in the survey area. Natural cavities and woodpecker holes provide nesting sites for cavity-nesting species, including wood duck (*Aix sponsa*), common merganser (*Mergus merganser*), American kestrel, tree swallow (*Tachycineta bicolor*), western bluebird, and western screech owl (*Megascops kennicottii*).

Riparian scrub supports large numbers of insects and attracts passerine birds, including several species of flycatchers, warblers, and hummingbirds. In addition, a number of Federally listed species rely on riparian corridors, including VELB and the western yellow-billed cuckoo. Riparian habitat is listed as a sensitive natural community by the CNDDB (CDFW 2021) and includes Great Valley cottonwood riparian forest and Northern California black walnut.

3.1.4 Fresh Emergent Wetland

Emergent wetland is dominated by perennial aquatic emergent vegetation and annual hydrophytic forbs. Areas of emergent wetland in Contract 4A are fed by either flooding from the American River, or from runoff from surrounding uplands for the small emergent wetlands amongst the mine tailings. Vegetation is typically dominated by spikerush (*Eleocharis macrostachya*), rushes (*Juncus* spp.), or vervain (*Verbena bonariensis*).

Wildlife Habitat Relationships with Fresh Emergent Wetland

Fresh emergent wetlands provide food, cover, and water for numerous birds, amphibians, reptiles and mammals and is one of the most productive wildlife habitats in California. Common bird species that feed in fresh emergent wetlands include various ducks, geese, and wading birds including mallards, Canada geese, herons and egrets, forage in the water and along the shallow edges. Many flycatchers, such as black phoebes (*Sayornis nigricans*), swallows, and other insectivores also utilize fresh emergent wetlands to forage on insects attracted to the water. Several birds, such as the red-winged blackbird (*Agelaius phoeniceus*), make use of the tall aquatic vegetation to hide their nests over the water, which protects them from ground predators. Larger emergent wetlands provide safety for resting waterfowl.

In addition to birds, amphibians, such as the Sierran tree frog and reptiles like the western pond turtle, a species of special concern, live within and around the margins of wetlands, which provide moist habitat, food, and cover. Deer, coyote, and various smaller mammals access emergent wetlands for a year-round water source.

3.1.5 Riverine

Riverine habitat includes inundated areas including the LAR. Areas in Contract 3A did not support much submerged aquatic vegetation, but water fern (*Azolla fillicoloides*) was observed.

Shaded Riverine Aquatic Habitat

Shaded riverine aquatic habitat is defined as the nearshore aquatic area located at the interface between a river and adjacent woody riparian habitat. This valuable cover type has two principal attributes: (1) The adjacent bank is composed of natural, eroding substrates supporting riparian vegetation that either overhangs or protrudes into the water; and (2) the water contains variable amounts of woody debris, such as leaves, logs, branches, and roots, as well as variable depths, velocities, and currents. Shaded riverine aquatic habitat is present throughout the C3A survey area along the riverbank and is contained within the other identified habitat types in these areas.

Wildlife Habitat Relationships with Riverine

Many bird species use open waters for resting, hunting, and escape cover. Common species include gulls, and waterfowl. Shorelines provide hunting grounds for wading birds such as herons and egrets, and for kingfisher, waterfowl, and shorebirds. Flycatchers, swallows, and other insectivorous birds catch their prey over water. Mammal species that occur in this habitat type include river otter (*Lontra canadensis*) and beaver (*Castor canadensis*).

3.1.6 Disturbed/Developed

The levee system has substantially altered the habitat within the LAR parkway and surrounding areas are urbanized. In addition to the levee system, existing facilities in the survey area include bike paths, bridges and railways (Figure 3a and b). Staging and access areas are located mostly in existing parking areas, open parks, and on existing gravel or paved roads and paths. Disturbed portions of the survey area include bare ground or manicured areas that are subject to continued disturbance.

Invasive Plant Species

In the survey area, invasive non-native plant species occur in all plant communities, but most commonly with and adjacent to annual grasslands. Areas dominated by non-native vegetation are generally associated with recent human disturbance and include dredged mine tailings, maintained levee slopes, landscaped areas, and areas subject to frequent flood inundation or scour. Non-native weeds dominate some areas, especially along the side slopes of the levees. To a lesser degree, invasive plants are also found in other plant communities such as riparian and oak woodland.

Non-native Woodland

Several locations in the survey area are dominated by non-native trees. These single-species tree stands typically consist of black locust (*Robinia pseudoacacia*) but can include tree of heaven (*Ailanthus altissima*), American elm (*Ulmus americana*), and blue gum (*Eucalyptus globulus*). With the exception of black locust stands, non-native woodlands in the survey area typically do not support a shrub understory and are dominated by the common herbaceous species described above for California annual grassland. Some black locust stands support blue elderberry shrubs in the understory.

Wildlife Habitat Relationships with Disturbed/Developed

The survey area outside of the LAR parkway combines urban residential zones featuring lawns, shade trees, and ornamental plants with areas of mature vegetation as encountered in the parks and in residential back yards along the bike paths. Although these areas are disturbed, they can still support wildlife, and the more mature areas can sometimes approximate the natural environment. Bird species that may use these habitat types include scrub jay, Northern mockingbird (*Mimus polyglottos*), house finch (*Carpodacus mexicanus*), California quail, and western bluebird. Common mammals include black-tailed deer, raccoon (*Procyon lotor*), and opossum (*Didelphis virginiana*). Gopher snake and western fence lizard also occur in this habitat type.

Wildlife also use manmade structures such as the railroad bridges in both survey areas, the Capital City Freeway (Interstate 80) bridge in C3A, and Highway 160 bridge in C4A, which had remnant of swallow nests. These all could be used for a day roost for unidentified bat species (such as pallid bat and/or myotis bats [*Myotis* sp.]), but no signs were observed during field surveys. The potential also exists for nesting birds to occur in the trees located in the parking lots that would be used for staging areas.

3.2 Special-Status Species

Several wildlife species known to occur in or in the vicinity of the survey area are protected under Federal and/or State endangered species laws or have been designated as species of special concern by CDFW. **Table 1** provides a comprehensive list of special-status wildlife species that were considered in the analysis. See **Figure 4** for a map of CNDDB special-status species occurrences within five miles of the survey area.

The analysis below includes consideration of special-status species categorized as present, or with a medium or high potential to occur.

3.2.1 Federally Listed and State-Listed Wildlife Species

Valley Elderberry Longhorn Beetle

The valley elderberry longhorn beetle is listed as threatened and critical habitat was designated on August 8, 1980. Suitable habitat for the VELB is typically defined as live elderberry (*Sambucus* spp.) stems measuring at least one inch in diameter at ground level. Recently, the range of VELB was reduced from 3000 feet in elevation as stated in the 1999 Guidelines down to 500 feet in the 2017 Framework. This reduction was due to the realization that the female VELB is indistinguishable from the California elderberry longhorn beetle in the field, as are the exit holes of the two species, and the protocol now only relies on visual verification of the male VELB to verify sightings. Only 10 records in three locations (Merced, Yolo, and Sacramento Counties) were known at the time of listing. However, after further investigation, VELB was found to have a range that extended from Shasta County to Fresno County.

VELB is completely dependent on its host plant, the elderberry, which is a common component of the riparian forests and adjacent upland habitats of California's Central Valley and foothills. Live stems support the life cycle of the beetle for both food and cover. Elderberry shrubs are generally found along waterways and in floodplains that support remnant stands of riparian vegetation but are not inundated for long periods of time (Talley 2005). Although VELB occurs in both riparian and upland woodland and scrub habitats, VELB occupancy tends to be higher in riparian areas versus upland elderberry locations (USFWS 1999 2017). In addition to VELB's dependency on elderberry shrubs, they also rely on the surrounding riparian and upland habitat to disperse between shrubs. Thus, contiguous intact riparian systems are essential to dispersal and migration of VELB and are the essential habitat for VELB (USFWS 2017).

Because VELB have limited flight range, they are reliant on contiguous habitat. Fragmentation of habitat leads to loss of subpopulations and decreases the likelihood of colonization of unoccupied habitats. The average distance between shrubs with exit holes is 65–165 feet with up to a half mile between occupied clumps. In managed areas, such as rivers with a levee system and modified floodplain, the USFWS considers riparian habitat and upland woodland and scrub habitat as associated elderberry habitat if it occurs in the floodplain of the waterway (USFWS 2017). Although upland woodland and scrub require different hydrologic regimes, they provide similar connectivity to other riparian habitat in these manipulated systems and are believed to maintain connectivity between occupied and unoccupied habitats.

TABLE 1
SPECIAL-STATUS ANIMAL SPECIES CONSIDERED IN THE SURVEY AREA

Listing Status	Type	Common Name Scientific Name	Fed Status	State Status	Habitat	Potential to Occur
Listed Species	Invertebrates	Valley elderberry longhorn beetle *Desmocerus californicus dimorphus*	FT	–	Mature elderberry shrubs.	**High.** Elderberry plants are present in the survey area. Exit holes observed. Adults previously documented in both C3A and C4A survey areas from 1984.
	Reptiles	Giant garter snake *Thamnophis gigas*	FT	CT	Permanent or semipermanent water and dense emergent vegetation; freshwater marshes, streams, and canals with permanent water.	**Low.** The American River lacks suitable habitat (USFWS AFRC BO 2014-F-0518).
	Birds	Western yellow-billed cuckoo *Coccyzus americanus occidentalis*	FT	CE	In California, western cuckoos are largely restricted to river valleys in the north-central (e.g., Sacramento River) and southwestern (e.g., Kern River) regions. Western cuckoos prefer to nest in willow (*Salix* spp.), cottonwood (*Populus* spp.), and mesquite (*Prosopis* spp.), but they will also use orchards.	**Moderate.** Vocalization documented in 2020 approximately four miles upstream on a densely forested island in the American River. Submarginal nesting habitat occurs in the survey area, but it may be used by transient birds.
		Tricolored blackbird *Agelaius tricolor*	–	CT	Breeds near freshwater in dense emergent vegetation or dense brush.	**Low.** Marginal nesting habitat in the willow riparian area. Closest known occurrence is greater than five miles away.
		Swainson's hawk *Buteo swainsoni*	–	CT	Often nests near riparian systems but will also use lone trees in agricultural fields or pastures and roadside trees when available and adjacent to suitable foraging habitat.	**High.** Known to nest within and adjacent to the survey area.
		Bank swallow (nesting) *Riparia*	–	CT	Colonial nester mostly along coastal areas and rivers in Northern and Central California. Nesting restricted to vertical banks or bluffs with friable soils suitable for burrowing. Vegetation is varied; nesting sites are selected mostly based on the suitability of the nesting bank.	**Moderate.** Historic population occurred in the C3A survey area. Last observed in 1986 prior to the site being riprapped. No bank nesting habitat observed within the survey area but may use the C3A survey area for foraging. Three other populations recorded 8-10 miles upstream on LAR as recently as 2002.
Nonlisted Special-Status Species	Invertebrates	Crotch bumble bee *Bombus crotchii*	–	–	Open grasslands and scrub habitat in California with available underground nesting habitat in fossorial animal burrows.	**Moderate.** Annual grassland and scrub habitats are available and several commonly visited flower species may occur in the survey area. The closest sighting was 12 miles to the east, just east of Mather Air Force Base, in 2020 (CNDDB 2021).

TABLE 1 (CONTINUED)
SPECIAL-STATUS ANIMAL SPECIES CONSIDERED IN THE SURVEY AREA

Listing Status	Type	Common Name Scientific Name	Fed Status	State Status	Habitat	Potential to Occur
Nonlisted Special-Status Species (cont.)	Invertebrates (cont.)	Western bumble bee *Bombus occidentalis occidentalis*	–	–	Nests, forages, and overwinters in meadows and grasslands with abundant floral resources and available underground nesting habitat in fossorial animal burrows. Range is throughout California, but more common in the Sierra Nevada and Coast Ranges than in the Central Valley.	**Low.** Grassland habitat is available, but the western bumble bee is uncommon in the Central Valley.
	Reptiles	Western pond turtle *Actinemys marmorata*	–	CSC	Variety of aquatic habitats, both permanent and intermittent, with suitable aerial and aquatic basking sites. Needs upland habitats for nesting, overwintering, and aestivating.	**High**. Observed in the Contract 2 survey area approximately 1.5 miles upstream of C3A during 2018 surveys (ESA 2018).
	Birds	Cooper's hawk *Accipiter cooperii*	–	WL	A common migrant and winter resident. Nests and forages in a wide variety of forest and woodland habitats.	**High**. Known to occur within 0.5 miles of the C4A survey area and approximately 1.5 miles of the C3A survey area.
		Great egret *Ardea alba*	MBTA	–	Colonial nester in large trees. Rookery sites located near marshes, tide flats, irrigated pastures, and margins of rivers and lakes.	**Moderate**. Potential nesting habitat in the survey area. There is a documented egret rookery approximately 0.5 miles downstream and another approximately 6 miles upstream of the survey areas on the American River.
		Great blue heron (rookery site) *Ardea herodias*	MBTA	–	Variety of habitats near sources of water. Nests commonly high in the tops of secluded large snags or live trees.	**Moderate**. Potential nesting habitat in the survey area. There is a documented heron rookery approximately 0.5 miles downstream and another approximately 6 miles upstream. upstream of the survey areas on the American River.
		Burrowing owl *Athene cunicularia*	–	CSC	Nests and roosts in burrows, usually of ground squirrels, in grasslands and ruderal habitats.	**Moderate**. Historic nesting sites within 0.5 miles of site C3A, which was destroyed due to construction in 1974. Several ground squirrel burrows observed along the levee corridor could provide habitat.
		White-tailed kite (nesting) *Elanus leucurus*	–	FP	Savanna, open woodland, marshes, partially cleared lands and cultivated fields, mostly in lowland habitats. Nests in trees, often near marshes.	**High**. CNDDB records within 0.5 miles of the survey areas documented as recently as 2009.
		Purple martin *Progne subis*	–	CSC	Nests mostly in old woodpecker cavities; also nests in human-made structures. Nest is often located in tall, isolated trees/snags.	**Moderate**. Potential nesting habitat in the survey area. Known to occur on bridge and overpass structures within one mile of the survey area.

TABLE 1 (CONTINUED)
SPECIAL-STATUS ANIMAL SPECIES CONSIDERED IN THE SURVEY AREA

Listing Status	Type	Common Name Scientific Name	Fed Status	State Status	Habitat	Potential to Occur
Nonlisted Special-Status Species (cont.)	Birds (cont.)	Yellow warbler *Setophaga petechial* (migrating)			Nests in riparian scrub and woodland habitat in the coastal and Sierra Nevada Mountain ranges typically in heavy brush.	**Present/Low.** Migrant bird observed foraging in riparian scrub during winter surveys at Site C4A. Yellow warblers are not known to nest in the valley.
	Mammals	Pallid bat *Antrozous pallidus*	–	CSC	Arid deserts and grasslands of low elevations in California; often near rocky outcrops and water. Usually roosts in rock crevices or buildings, less often in caves, tree hollows, mines, etc. Prefers narrow crevices in caves as hibernation sites.	**High**. This species may roost in buildings and bridges in the survey area; however, roosting is not reported by the CNDDB within five miles of the survey area or within the nine-quadrangle area that includes the survey area.
		Western red bat *Lasiurus blossevillii*	–	CSC	Associated with riparian habitat. Roosts primarily in the foliage of trees or shrubs but may also occasionally use caves. Day roosts commonly in edge habitats.	**High**. This species may roost in mixed oak woodland habitat in the survey area; however, roosting is not reported by the CNDDB within five miles of the survey area or within the nine-quadrangle area that includes the survey area.
		American badger *Taxidea taxus*	–	CSC	Requires sufficient food, friable soils to excavate dens and pursue prey, and relatively open, uncultivated ground.	**Moderate.** The potential exists for this species to use the parkway. Although no signs of presence were observed, there were small fossorial mammal burrows and ground squirrel activity. There are two historic occurrences within five miles; the most recent sighting was from 1991.

NOTES:

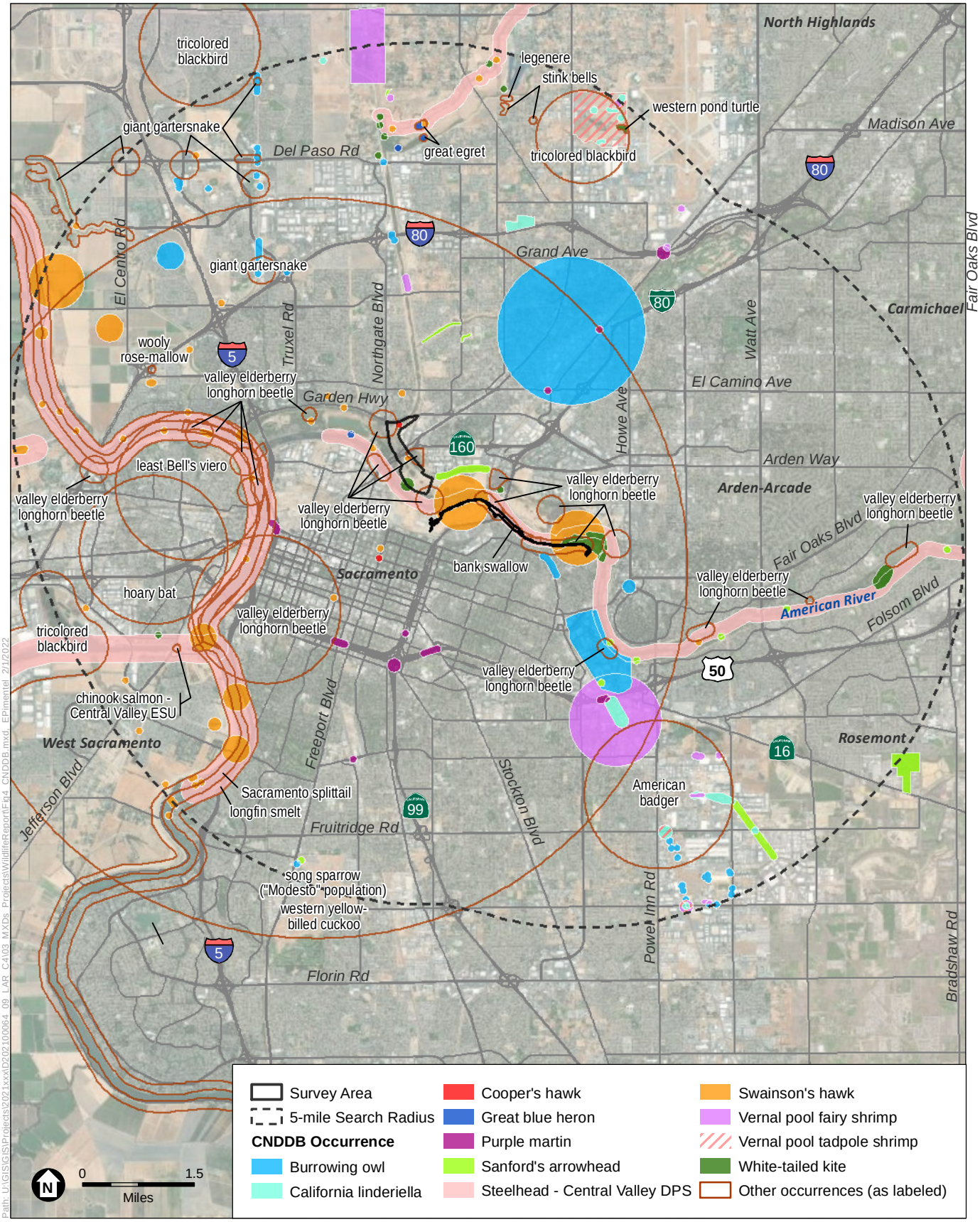
CNDDB = California Natural Diversity Database

Federal
FC: Federal candidate for listing
FE: Federally listed as endangered
FT: Federally listed as threatened
FD: Federally delisted
MMPA: Marine Mammal Protection Act
MBTA: Migratory Bird Treaty Act

State
CE: State listed as endangered
CT: State listed as threatened
CD: State delisted
CP: State proposed for listing

State
FP: California fully protected species
CSC: California species of special concern
*: CDFW protected
WL = CDFW watch list

SOURCES: CDFW, 2021; Jennings and Hayes, 1994; Ron Melcer Jr., Delta Stewardship Council, pers. comm., July 28, 2019; Shuford and Gardali, 2008; USFWS, 2021; WBWG, 2005; Zeiner et al., 1988, 1990a, 1990b.



SOURCE: Esri, 2021; CDFW, 2021; ESA, 2022

American River Common Features Contracts 3A and 4A

Figure 4
Special-status Species Occurrences within 5 miles of the Survey Area

ESA

There are documented occurrences of VELB in the C3A and C4A survey areas from 1984, when adult beetles were captured. Additional beetles were observed in 2013 and fresh exit holes were documented in 2006 (CDFW 2021) and in 2018 (ESA 2018) upstream of the survey area on the lower American River in Subreach 2.

Yellow-billed Cuckoo

The western yellow-billed cuckoo is a subspecies of the yellow-billed cuckoo and has been recognized through designation of a distinct population segment (USFWS 2001). In 1988, the cuckoo was listed by the State as endangered under the California Endangered Species Act (CDFW 2019c). In 2014, the cuckoo was Federally listed as threatened under the Federal Endangered Species Act, and critical habitat was proposed throughout its range, including a 69-mile-long, contiguous segment of the Sacramento River from Red Bluff to Colusa (USFWS2014a and 2014b). The cuckoo is typically found in riparian forests with dense deciduous trees and shrubs, primarily in riparian forests and associated bottomlands dominated by willow, cottonwood, or mesquite (Gaines and Laymon 1984; Laymon and Halterman 1987; Hughes 1999; Halterman et al. 2001).

This subspecies was once common throughout California (Grinnell and Miller 1944), but the population has declined over the last 100 years following extensive loss of riparian habitat. In California, cuckoos are consistently found in only a few isolated areas: the Sacramento Valley (between Red Bluff and Colusa), the Feather River (between Gridley and Nicolaus), the South Fork of the Kern River, and several Lower Colorado River Multi-Species Conservation Program restoration sites on the California side of the lower Colorado River (Gaines and Laymon 1984; Laymon and Halterman 1989; Laymon 1998; Halterman et al. 2001; Dettling and Seavy 2012).

Until recently, the Upper Sacramento River was believed to have one of the largest cuckoo populations in California. However, surveys have documented a dramatic decline in this population (Halterman et al. 2001; Dettling and Howell 2011; Dettling et al. 2014). Riparian vegetation in this area has increased by almost 5,000 acres since 1996 as a result of restoration efforts (Golet et al. 2008). Gaines and Laymon (1984) suggested, however, that many large patches along the Sacramento River in Tehama County and along the Feather River appeared to be unoccupied even though they apparently represent suitable habitat. Follow-up surveys were conducted in 1987 and 1999, and between one and six individuals were found along the Feather River between Oroville and Nicolaus (Laymon and Halterman 1989; Halterman et al. 2001).

Until very recently, the last documented occurrence in the CNDDB in the vicinity of the survey area was from the late 1800s. However, on July 27, 2019, a cuckoo vocalization was documented approximately four miles upstream on a heavily forested island in the American River (Ron Melcer Jr., Delta Stewardship Council, pers. comm., July 28, 2019). The bird was not observed, and the nesting status is unknown.

The survey area provides marginal remnant riparian habitat that may be used for foraging or dispersal. However, the riparian habitat in the survey area does not meet the typical size requirements (25 contiguous acres or more) for home ranges of nesting yellow-billed cuckoos (USFWS 2001).

Swainson's Hawk

Swainson's hawk is State listed as threatened. It once occupied large grassland and shrub steppe habitats, as well as canyons, foothills, and smaller interior valleys in otherwise mountainous regions. Currently, the species is most common in the Central Valley and Great Basin. Nesting habitat for Swainson's hawk includes mature trees with relatively dense canopies such as oaks or cottonwoods in or near riparian habitat, agricultural fields, or suburban neighborhoods near suitable foraging habitat. They forage in grasslands, irrigated pastures, and grain fields. In California, Swainson's hawks begin nesting in late March, and the young usually leave the nest (fledge) by August.

Two CNDDB occurrence of Swainson's hawk occur in the C3A the survey area from 2010 and 2012. In 2017, a nest with two nestlings near Northgate Boulevard was identified in C4A (CDFW 2021) and another nest was identified in 2007 at Camp Pollock. Additionally, there has been a regularly documented nest just upstream of Howe Avenue (Sorgen, K. C. pers. comm. 2019) and a potential nesting pair was observed in May 2019 by a DWR survey team on the river's right bank just downstream of Watt Avenue (Lori Price pers. comm., 2019). The survey area and landscape within 0.5 miles was assessed for potential Swainson's hawk nesting and foraging habitat. The large trees within the riparian corridor and adjacent parks could provide nesting sites and annual grasslands and nearby parks provide suitable foraging habitat.

Bank Swallow

The bank swallow is State listed as threatened. It is a neotropical migrant that arrives in California in May and breeds before returning to South America in late July or August. Swallows primarily inhabit riparian and lowland habitats with vertical banks, bluffs, and cliffs where they dig holes for nesting in sandy or fine-textured soil (CDFG 1999a). The species' range in California is estimated to have been reduced by 50 percent since 1900 (CDFG 1999a). Bank swallow was formerly more common as a breeder in California. Now, only approximately 110–120 colonies remain in the state. Perhaps 75 percent of the current breeding population in California occurs along the banks of the Sacramento and Feather Rivers in the northern Central Valley (CDFG 1999a).

Historically, a population of nesting bank swallows, was documented in the C3A survey area. The most recent record from CNDDB for this location was from 1986, but CNDDB noted that the site has since been riprapped and habitat no longer exists (CDFW 2021). The closest recent (2017) CNDDB record is from the vicinity of Knights Landing, which is approximately 15 miles from the survey area. Although nesting habitat in the survey area is limited, as the banks are mostly covered in dense vegetation, there is high-quality foraging habitat that bank swallows may use (CDFW 2021).

3.2.2 Nonlisted Special-Status Wildlife Species

Crotch Bumble Bee

The crotch bumble bee was petitioned to be added to the State endangered species list and was listed as a candidate species by CDFW in June 2019. However, the Sacramento Superior Court

overturned the ruling in November 2020, stating that the California Endangered Species Act does not protect terrestrial invertebrates. This ruling is currently under appeal. Thus, the crotch bumble bee was included in this report, because it may meet the criteria for listing if higher courts determine that invertebrates may qualify for such listing and was considered a special status species in conformance with Section 15380(d) of the CEQA Guidelines.

It inhabits open grassland and scrub habitats throughout California. Crotch bumble bees primarily nest underground in mammal burrows but are occasionally observed in old logs and cavities in trees, among other aboveground locations. They are generalist foragers, with short tongues, and thus prefer foraging on open flowers with short corollas. They overwinter in soft disturbed soil or under leaf litter (CDFW 2019b).

This species was historically common throughout the Central Valley, but now is mostly absent. The closest occurrence documented in the CNDDB, last recorded in 2020, was just east of Mather Air Force Base approximately 12 miles east of the Project area. Documented occurrences are limited in the Central Valley, but that may partially be due to under reporting. Two other sighting were documented within 20 miles of the Project Area in 2020: one just west of Davis and one in the Consumnes River Preserve. Suitable foraging habitat occurs in the survey area in annual grassland and scrub habitats. The potential for nesting and overwintering within the levees is unknown, due to potential frequent flooding and the limited data available documenting the bee's habits, but sufficient rodent burrows do occur.

Western Pond Turtle

The western pond turtle is a California species of special concern. This moderate-sized aquatic turtle is commonly found in ponds, lakes, marshes, rivers, streams, and irrigation ditches with rocky or muddy substrates. Its habitat often exhibits shoreline basking areas that may or may not be bordered by aquatic vegetation. Aquatic sites are often within woodlands, grasslands, and open forests, between sea level and 6,000 feet in elevation. Pond turtles bask on logs or other objects when water temperatures are lower than air temperatures. Their nests are created in upland areas with friable soils, often up to 0.25 miles from an aquatic site (Jennings and Hayes 1994; Stebbins, 2003; Zeiner et al. 1988).

Western pond turtles are discontinuously distributed throughout California west of the Cascade-Sierran crest (Jennings and Hayes 1994). They were documented by the CNDDB within the nine-quadrangle area and were observed just upstream of the Campus Commons Golf Course, on river right, basking on a log in the water (ESA 2019).

Cooper's Hawk

The Cooper's hawk is a CDFW watch list species. This medium-sized accipiter is a resident of wooded areas throughout California, with breeding described throughout the Coast Ranges and Sierra Nevada foothills. The Cooper's hawk forages mostly on small birds and mammals, although it will also take reptiles and amphibians. The species' peak nesting season is May through July, although nesting may occur any time from March to August (Zeiner et al. 1990a).

A Cooper's hawk nest was recorded by the CNDDB within 0.5 miles of the survey area in 2007 and 2008 (CDFW 2021). Woodland habitat in and near the survey area provides potential nesting opportunities for this species.

Western Burrowing Owl

Western burrowing owls are California species of special concern. They inhabit grassland, desert, and open shrub habitats throughout the state from sea level to approximately 5,300 feet (CDFG 1999b). Unlike many sensitive species, burrowing owls persist and even thrive in some landscapes that are highly altered by human activity. The characteristics of suitable habitat are burrows for roosting and nesting, and relatively short vegetation with only sparse shrubs and taller vegetation. Individuals in agricultural environments nest along roadsides and water conveyance structures. Breeding occurs February through August (CDFG 2012).

The closest CNDDB occurrence of burrowing owl is just east of Site 2-1 on the university campus and approximately two miles east of the survey area. The levee and bike paths along the survey area corridors in the survey areas consists of disturbed grasslands with small mammal burrows and ground squirrel activity. This area provides potential nesting and foraging habitat for burrowing owl. During reconnaissance-level surveys, no burrowing owls or signs of occupied burrows were found.

White-Tailed Kite

The white-tailed kite is a fully protected species under the California Fish and Game Code. This species nests primarily in riparian and lowland habitats often associated with agricultural areas throughout cismontane California. White-tailed kites typically nest in dense vegetation at the tops of oaks, willows, or other native trees. They prey primarily on voles and other diurnal mammals (CDFG 2005). Their numbers and range have increased in the past few decades (CDFG 2005).

There are two known CNDDB occurrences of white-tailed kite within 0.5 mile of the survey area, the most recent documented in 2009 (CDFW 2021). The survey area provides trees suitable for nesting and potential foraging habitat is available along the levees and in nearby parks and open grasslands. White-tailed kites were not observed during the surveys.

Other Breeding and Migratory Birds

The Federal Migratory Bird Treaty Act and California Fish and Game Code protect raptors, most native migratory birds, and breeding birds that could be present in the survey area. The LAR Parkway corridor provides high-quality foraging and nesting opportunities for a variety of resident and migratory birds. Common raptor species that may nest in the mature trees of the parkway could include red-tailed hawk, red-shouldered hawk, and great horned owl. Wading birds such as the great egret and the great blue heron are known to nest upstream and downstream of the survey area and have been observed foraging in the survey area. Among the many bird species observed in the survey area with the potential to nest are western scrub jay, western kingbird, yellow-rumped warbler, acorn woodpecker, northern mockingbird, American crow, Canada goose, and gulls. Remnant swallow nests were observed under the Highway 160 Bridge.

Purple martin, a California species of special concern, is also known to occur in the area and has the potential to nest in the survey area. A full list of species observed in the survey area is provided in Appendix B, Table B-1.

Pallid Bat

The pallid bat, a California species of special concern, occurs throughout California except in parts of the high Sierra and the northwestern corner of the state (Zeiner et al. 1990b). The pallid bat inhabits a variety of habitats, such as grasslands, shrublands, woodlands, and forests; however, it is most abundant in open, dry habitats with rocky areas for roosting. Pallid bats roost alone, in small groups, or gregariously (WBWG 2005). Roosts include caves, crevices in rocky outcrops and cliffs, mines, trees, and various manmade structures (e.g., bridges, barns, porches); they generally have unobstructed entrances/exits and are high above the ground, warm, and inaccessible to terrestrial predators. Year-to-year and night-to-night roost reuse is common; however, bats may switch day roosts on a daily and seasonal basis (WBWG 2005).

The pallid bat is common throughout the lower elevations in California. No occurrences are reported within five miles of the survey area, or within the nine-quadrangle area that includes the survey area. The bridges in the survey area may provide suitable roosting habitat for this species.

Western Red Bat

The western red bat is a California species of special concern. This is a riparian obligate species (i.e., dependent on riparian habitat) that is ubiquitous throughout California except the northern Great Basin region. Western red bats roost individually in dense clumps of tree foliage in riparian areas, orchards, and suburban areas. They are primarily moth specialists but will forage for a variety of other insects. Individuals have been observed foraging around streetlamps and floodlights in suburban areas (WBWG 2005).

Based on its tendency to roost within tree foliage, this species may be intermittently present in the riparian and woodland habitat in the survey area; however, roosting occurrences are not reported by the CNDDB within five miles of the survey area or within the nine-quadrangle area that includes the survey area.

American Badger

The American badger is a California species of special concern. This species prefers open grasslands and riparian habitat within the valley areas, although it occurs throughout multiple habitat types in California. The principal requirements seem to be sufficient food, friable soils to excavate dens and pursue prey, and relatively open, uncultivated ground. In California, badgers range throughout the state, except for the humid coastal forests of northwestern California in Del Norte County and the northwestern portion of Humboldt County (Williams 1986).

Reconnaissance-level wildlife surveys of the survey area in fall did not detect any badger excavations or other signs of species presence. This species was previously observed in the

vicinity of the survey area, but the observation is 30 years old (CDFW 2021). Nonetheless, suitable habitat occurs in the survey area in annual grasslands.

Critical Habitat for Listed Wildlife Species

USFWS defines the term “critical habitat” in the Federal Endangered Species Act as a specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection. The survey area is not within designated critical habitat for any listed terrestrial wildlife species.

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CHAPTER 4
References and Report Preparation

4.1 References

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4.2 Document Preparation

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Appendix A
Natural Communities Crosswalk

TABLE A-1
CROSSWALK TABLE OF NATURAL COMMUNITIES

Natural Community	CWHR	Manual of California Vegetation Alliance
Annual grassland	Annual grassland	Annual brome grassland
		Yellow star-thistle fields
		California annual grasslands
		Western ragweed meadow
		Wild oats grassland
		Poison hemlock or fennel patch
Oak woodland	Coastal oak woodland	Coast live oak woodland
	Valley oak woodland	Valley oak woodland
		Hind's walnut and related stand
	Montane hardwood	Interior live oak woodland
Upland scrub	Coastal scrub	Coyote brush scrub
	Valley foothill riparian	California rose briar patch
		Coastal bramble
		Blue elderberry stand
Non-native woodland	Eucalyptus	Eucalyptus–tree of heaven–black locust grove
Riparian woodland	Valley foothill riparian	Fremont cottonwood forest
		Box-elder forest
		Red willow thicket
		Black willow thicket
		White alder grove
		Valley oak woodland
		California sycamore woodland
		Oregon ash grove
Riparian scrub	Valley foothill riparian	Sandbar willow thicket
		Arroyo willow thicket
		Pacific willow thicket
		Button willow thicket
		Blue elderberry stand
		California rose briar patch
Emergent Wetland	Fresh Emergent Wetland	Tule-cattail
		Non-native/invasive forb
		Water hyacinth wetlands

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Appendix B
Wildlife and Plant Species Observed during Reconnaissance Surveys

TABLE B-1
WILDLIFE SPECIES OBSERVED IN THE C3A AND C4A SURVEY AREAS

Type	Common Name	Scientific Name
Reptiles	red-eared slider	*Trachemys scripta elegans*
Birds	mallard	*Anas platyrhynchos*
	California scrub-jay	*Aphelocoma californica*
	Oak titmouse	Baeolophus inornatus
	Canada goose	*Branta canadensis*
	California quail	*Callipepla californica*
	northern flicker	*Colaptes auratus*
	American crow	*Corvus brachyrhynchos*
	dark-eyed junco	*Junco hyemalis*
	gull	*Larus sp.*
	belted kingfisher	*Megaceryle alcyon*
	acorn woodpecker	*Melanerpes formicivorus*
	wild turkey	*Meleagris gallopavo*
	song sparrow	*Melospiza melodia*
	California towhee	*Melozone crissalis*
	northern mockingbird	*Mimus polyglottos*
	ash-throated flycatcher	*Myiarchus cinerascens*
	spotted towhee	*Pipilo maculatus*
	bushtit	*Psaltriparus minimus*
	black phoebe	*Sayornis nigricans*
	Yellow-rumped warbler	*Setophaga coronata*
	Yellow warbler (migrating)	*Setophaga petechial*
	European starling	*Sturnus vulgaris*
	American robin	*Turdus migratorius*
	western kingbird	*Tyrannus verticalis*
	mourning dove	*Zenaida macroura*
	White-crowned sparrow	*Zonotrichia leucophrys*
Mammals	black-tailed jackrabbit	*Lepus californicus*
	western gray squirrel	*Sciurus griseus*
	California ground squirrel	*Spermophilus beecheyi*

TABLE B-2
PLANT SPECIES OBSERVED IN THE C3A AND C4A SURVEY AREAS

Family	Scientific Name	Common Name
Azollaceae	*Azolla filiculoides*	Water fern
Adoxaceae	*Sambucus nigra* ssp. *caerulea*	Blue elderberry
Anacardiaceae	*Toxicodendron diversilobum*	Western poison oak
Apiaceae	*Conium maculatum*	Poison hemlock
	Foeniculum vulgare	Fennel
	Torilis arvensis	Hedge parsley
Apocynaceae	*Apocynum cannabinum*	Indian Hemp
	Vinca major	Greater periwinkle
Asteraceae	*Artemisia douglasiana*	Mugwort
	Baccharis pilularis ssp. *consanguinea*	Coyote brush
	Carduus pycnocephalus ssp. *pycnocephalus*	Italian thistle
	Centaurea solstitialis	Yellow star-thistle
	Cichorium intybus	Common chicory
	Cirsium vulgare	Bull thistle
	Erigeron canadensis	Horseweed
	Helianthus annuus	Common sunflower
	Lactuca serriola	Prickly lettuce
	Xanthium strumarium	Cocklebur
Boraginaceae	*Heliotropium curassavicum*	Salt Heliotrope
Brassicaceae	*Lepidium latifolium*	Perennial pepperweed
	Raphanus raphanistrum	Wild radish
Chenopodiaceae	*Chenopodium album*	White Goosefoot
Convolvulaceae	*Convolvulus arvensis*	Bindweed
Fabaceae	*Melilotus albus*	White sweetclover
	Robinia pseudoacacia	Black locust
	Trifolium hirtum	Rose clover
	Vicia sativa ssp. *sativa*	Spring vetch
Fagaceae	*Quercus agrifolia* var. *agrifolia*	Coast live oak
	Quercus lobata	Valley Oak
Geraniaceae	*Geranium dissectum*	Cranesbill
Juglandaceae	*Carya illinoinensis*	Pecan
	Juglans hindsii	Northern CA black walnut
Malvaceae	*Malvella leprosa*	Alkali-mallow
Oleaceae	*Fraxinus latifolia*	Oregon ash
Onagraceae	*Epilobium ciliatum*	Fringed willowherb
Platanaceae	*Platanus racemosa*	Western sycamore

Family	Scientific Name	Common Name
Plantaginaceae	*Plantago lanceolata*	English plantain
Polygonaceae	*Rumex crispus*	Curly dock
Rosaceae	*Heteromeles arbutifolia*	Toyon
	Rosa californica	California wild rose
	Rubus armeniacus	Himalayan blackberry
	Rubus ursinus	California blackberry
Rubiaceae	*Galium aparine*	Goose grass
Salicaceae	*Populus fremontii*	Fremont's cottonwood
	Salix exigua	Sandbar willow
	Salix gooddingii	Goodding's willow
	Salix lasiolepis	Arroyo willow
Sapindaceae	*Acer negundo*	Box elder
Verbenaceae	*Verbena litoralis*	Seashore vervain
Vitaceae	*Vitus californica*	California grape
Cyperaceae	*Carex barbarae*	Santa Barbra sedge
Poaceae	*Avena* sp.	Wild oat
	Bromus diandrus	Ripgut grass
	Bromus hordeaceus	Soft chess
	Cynodon dactylon	Bermuda grass
	Elymus triticoides	Beardless wild rye
	Festuca perennis	Rye grass
	Hordeum murinum ssp. *leporinum*	Foxtail barley
	Setaria parviflora	Marsh bristlegrass
	Sorghum halepense	Johnson grass
	Stipa miliacea	Smilo grass

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Appendix B

American River Watershed Common Features 2016 Project, American River Contract 3A Aquatic Resource Delineation Report

AMERICAN RIVER WATERSHED COMMON FEATURES 2016 PROJECT
AMERICAN RIVER CONTRACT 3A

Aquatic Resources Delineation Report

Prepared for
Sacramento Area Flood Control Agency

February 2022

AMERICAN RIVER WATERSHED COMMON FEATURES 2016 PROJECT
AMERICAN RIVER CONTRACT 3A

Aquatic Resources Delineation Report

Prepared for
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CHAPTER 1
Introduction

This report documents the results and conclusions of an aquatic resources delineation conducted for the American River Watershed Common Features (ARCF), Lower American River Contract 3A (Project) area. The Project is located in Sacramento County along the American River (**Figure 1-1**). The Project area encompasses portions of the river, the levee and surrounding areas, and access routes along the levees, nearby roads, and bike trails (**Figure 1-2**). The delineation was conducted on behalf of the U.S. Army Corps of Engineers (USACE), Central Valley Flood Protection Board, and Sacramento Area Flood Control Agency (SAFCA) (Project Partners).

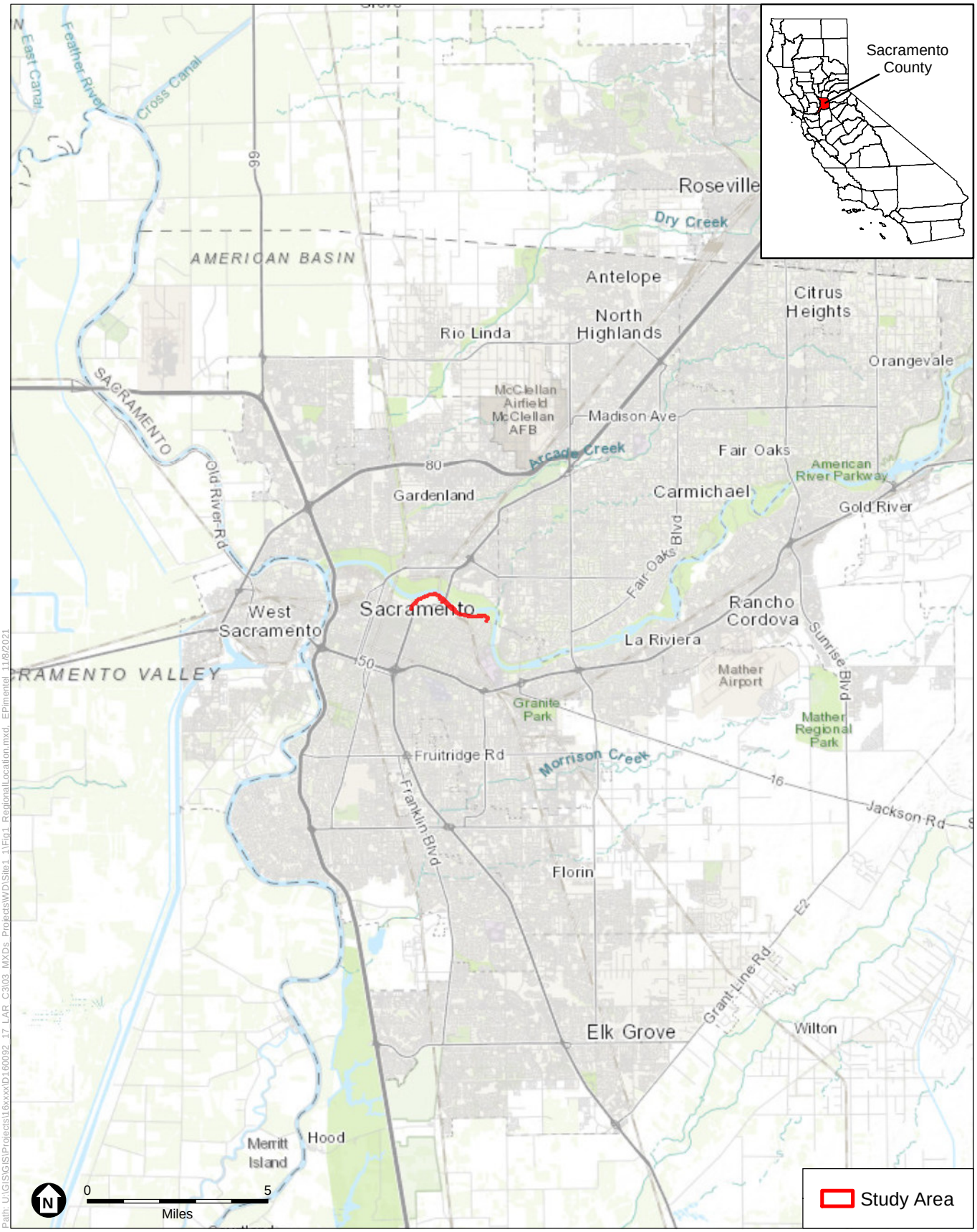
1.1 Purpose

The purpose of this investigation is to describe and delineate all aquatic resources, including wetlands, within the Project area and document sufficient information for the USACE to determine which features qualify as waters of the U.S. that are subject to regulation under Section 404 of the Clean Water Act (CWA). The boundaries of the aquatic features mapped in this report were delineated based on field and other data and reflect the best professional judgment of investigators. All conclusions presented should be considered preliminary and subject to change pending review and verification by the USACE.

1.2 Location

The Project area comprises approximately 30.5 acres in Sacramento County, California. The Project area extends along a reach of the American River from the north end of 28th Street at Sutter's Landing Regional Park at approximately river mile 3, upstream to the parking lot of Glenn Hall Park at approximately river mile 5.5. The Project area includes existing roads for access to both the upstream and downstream ends. An aerial photograph of the Project area is provided in Figure 1-2.

The Project area is in sections 32 and 33 (township 9 north, range 5 east) and sections 3 and 4 (township 8 north, range 5 east) of the Sacramento East, California U.S. Geological Survey (USGS) 7.5-minute series quadrangle. The approximate centroid of the Project area is 38.585977º North, 121.446432º West. Elevation ranges from approximately 10 to 45 feet above mean sea level. Much of the Project area is in the floodplain of the American River (FEMA, 2021). The American River is a regulated stream of the Central Valley Flood Protection Board (DWR, 2021). The water side of the levee in the Project area is in the Lower American USGS Hydrologic Unit (18020111). The land side of the levee in the Project area is in the Lower Sacramento USGS Hydrologic Unit (18020163).



SOURCE: Esri, 2021; ESA, 2021

American River Common Features Contract 3A

Figure 1-1
Regional Location

ESA

SOURCE: Esri, 2021; USDA, 2018; ESA, 2022

American River Common Features Contract 3A

Figure 1-2
Study Area

ESA

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1.3 Responsible Parties

The Project owner is:

U.S. Army Corps of Engineers, Sacramento District
1325 J Street
Sacramento, California 95814-2922

The ESA point of contact for the Project is:

Mr. David Beauchamp, Project Manager
Environmental Science Associates
2600 Capitol Avenue, Suite 200
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(916) 564-4500
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1.4 Directions to Site

To access the Contract 3A site from downtown Sacramento:

- Take J Street towards 21st Street.
- Turn left onto 21st Street.
- Turn right onto E Street, staying straight at the traffic circle to stay on E Street.
- Turn left to 28th Street.
- Continue onto 28th Street until you reach Sutter's Landing Parking Lot. The Contract 3A site begins at the corner of McKinley Village Way and 28th Street.

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CHAPTER 2
Methods

2.1 Pre-field Review

Prior to conducting fieldwork, the following background tasks were performed:

- Review of current and historical U.S. Geologic Survey (USGS) topographic maps (USGS, 2021);
- Review of current and historical aerial photography (Google, Inc., 2021, UCSB, 2021);
- Review of the online soil survey (NRCS, 2021a) for information about soils and geomorphology;
- Review of the National Hydric Soils List (NRCS, 2021b) to determine if any soil mapping unit components are considered hydric;
- Review of the National Wetlands Inventory (U.S Fish and Wildlife Service [USFWS], 2021);
- Review of the Sacramento USACE District Navigable Waterways (USACE, 2021); and
- Review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) (FEMA, 2021).

2.2 Field Survey Methods

Field investigations were conducted by Environmental Science Associates (ESA) biologists Chuck Hughes and Amanda Segura-Moon on October 28, 2021. The delineation used the "Routine Determination Method" as described in the *1987 Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory, 1987), hereafter called the "1987 Manual." The 1987 Manual was used in conjunction with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)* (USACE, 2008a), hereafter called the "Arid West Supplement." For areas where the 1987 Manual and the Arid West Supplement differ, the Arid West Supplement was followed.

The Arid West Supplement is applicable for use because the Project area experiences hot, dry summers typical of a Mediterranean climate, and the surrounding landscape in the bottom of the Sacramento Valley is dominated by oaks (USACE, 2008a). The Arid West Supplement was used for this delineation based on landscape, site conditions, vegetation, and climate.

ESA assessed presence or absence of positive indicators for wetland vegetation, soils, and hydrology per the 1987 Manual and Arid West Supplement. Data points were recorded on Arid West wetland determination data forms (**Appendix A**).

At each data point, a visual assessment of the plant cover by species was made. Dominant species were assessed using the "50/20" rule per the Arid West Supplement. Plants were identified to species using *The Jepson Manual: Vascular Plants of California, second edition* (Baldwin et al., 2012). The *National Wetland Plant List* (USACE, 2018) was used to determine the wetland indicator status of all plants. Soils at each data point were characterized by color, texture, organic matter accumulation, and the presence or absence of hydric soil indicators. Color was described using the *Munsell Soil Color Book* (Kollmorgen Instruments Corporation, 1990). Presence of wetland hydrology was determined at each data point by presence of one or more of the primary and/or secondary indicators, per the Arid West Supplement.

2.3 Mapping and Acreage Calculations

Data points and boundaries of wetlands above the ordinary high water mark (OHWM) were recorded using a Global Positioning System (GPS) with real-time differential correction and an instrument-rated mapping accuracy of +/- 1 meter. Field indicators of the OHWM as described by the USACE (2008b; 2014) matched reasonably well with the water elevation at an American River flow of 18,500 cubic feet per second (cfs; see Appendix D, photo 7). The 18,500 cfs flow elevation was also used in previous work (ESA, 2019). The 18,500 cubic feet per second (cfs) elevation (approximately 25-foot elevation [NAVD88] in the Project area) is the water surface elevation of the approximate 2-year flood event and was used for the OHWM throughout the Project area. The 18,500 cfs elevation was based on hydraulic modeling and provided digitally by Northwest Hydraulic Consultants in 2018.

Areas below the OHWM with at least 5 percent vegetation cover were identified based on aerial photography and mapped as wetlands. GPS and aerial photograph information were combined in ArcGIS. Acreage of wetlands and waters, and the length of linear features were determined using ArcGIS.

CHAPTER 3
Regulatory Framework

3.1 Waters of the U.S.

The CWA establishes the basic structure for regulating discharges of pollutants into waters of the U.S. and regulating quality standards for surface waters. The basis of the CWA was enacted in 1948 and was called the Federal Water Pollution Control Act, but the Act was significantly reorganized and expanded in 1972. "Clean Water Act" became the Act's common name with amendments in 1972. The CWA is the primary federal law protecting the quality of the nation's surface waters, including lakes, rivers, and coastal wetlands.

CWA Section 404 regulates the discharge of dredged and fill materials into waters of the U.S. Applicants must obtain a permit from the USACE for discharges of dredged or fill material into waters of the U.S., including wetlands, for non-exempt activities before proceeding. Waters of the U.S. are under the jurisdiction of USACE and USEPA.

Some features require a significant nexus test to determine if they are waters of the U.S. The significant nexus test includes consideration of hydrologic and ecologic factors. The significant nexus test takes into account physical indicators of flow (evidence of an OHWM), if a hydrologic connection to a TNW exists, and if the aquatic functions of the water body have a significant effect (more than speculative or insubstantial) on the chemical, physical, and biological integrity of a TNW. A significant nexus test includes similarly situated waters in the watershed. The Corps and EPA apply the significant nexus standard to assess the flow characteristics and functions of a potential water of the U.S. to determine if it significantly affects the chemical, physical, and biological integrity of the downstream TNW.

Traditional Navigable Water

Navigable waters of the United States are defined in 33 CFR § 329.4 as "…those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. A determination of navigability, once made, applies laterally over the entire surface of the waterbody, and is not extinguished by later actions or events which impede or destroy navigable capacity." Traditional navigable waters include all of the "navigable waters of the United States" as defined in 33 CFR § Part 329.4 as well as by numerous decision of the federal courts; those water bodies the Corps has determined are a navigable water of the U.S. pursuant to 33 CFR § 329.14; plus all other waters that are navigable-in-fact.

Ephemeral, Intermittent, and Perennial Streams

An ephemeral stream has flowing water only during, and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream, and runoff from rainfall is the primary source of water for stream flow. An intermittent stream has flowing water during certain times of the year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow. A perennial stream has flowing water year-round during a typical year (82 Federal Register 1860).

Wetlands

Wetlands include those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Vernal pools and seasonal wetlands are other examples. As noted previously, three positive parameters must normally be present for an area to be considered a wetland: (1) a dominance of wetland vegetation, (2) presence of hydric soils, and (3) presence of wetland hydrology.

CHAPTER 4
Setting

4.1 Project Area

The Project area is in the Sacramento Valley in an urbanized region. The Project area follows the left levee of the American River. At the upstream and downstream ends of the Project are access roads on the top or land-sides of the levee, that connect to the public road network. The center of the Project area contains the area where levee improvements will occur on the water-side of the levee, access roads on the levee, and a staging area on the land-side of the levee.

The climate in the region consists of cool, wet winters and hot, dry summers. The mean annual precipitation in Sacramento is 20.27 inches and temperatures range from a mean annual maximum of 73.1 degrees Fahrenheit to an average minimum temperature of 49.8 degrees Fahrenheit (Western Regional Climate Center; 2021, NWSFO, 2021). Precipitation from July 1, 2020 through June 30, 2021 (precipitation year) totaled 7.75 inches, which is 38% of the average accumulated precipitation for that period (NWSFO, 2021).

The Project area received an unusually large amount of rainfall in October 2021. From October 20–25, 2021 downtown Sacramento recorded 6.7 inches of precipitation. Normal precipitation for October is 0.93 inch. As a result of the large precipitation event a few days before the fieldwork, soils in the Project area were moist and water in the American River was higher than it would typically be in autumn. The results of the USACE antecedent precipitation tool for October 27, 2021 are in **Appendix B**. The antecedent precipitation tool returned “wetter than normal” conditions as a result of the large precipitation event but noted a drought index of “extreme drought”. The drought index considers a longer time period. On the data forms in Appendix A, climatic conditions are marked as not typical because the previous wet season had a severe drought, and fieldwork was conducted very early in the 2021–2022 wet season.

4.2 Soils

A custom soil resource report was generated (**Appendix C**). Although portions of the Project area are in the floodplain of the American River, soils are well-drained sandy loams or other recent alluvial soils without restrictive horizons.

A brief description of the primary soils within each soil map unit is provided below (NRCS, 1993; 2021a). Soil texture, pH, color, and redoximorphic features are summarized for the primary rooting zone. All colors refer to moist soil. Two of the map units consist of urban land complexes.

Urban land consists of areas covered by impervious surfaces, where the substrate is similar to the mapped soils, but may have been altered.

Columbia sandy loam, drained, 0–2% slopes, Columbia-Urban land complex, drained, 0–2% slopes: Columbia soils formed in alluvium from mixed rocks and occur on floodplains and natural levees. They are very deep and moderately well-drained. Native vegetation is typically dense oak or riparian woodland near channels, becoming more open with distance from a channel. Although Columbia soils would naturally be flooded or saturated for several months annually, in the study area they are mapped as "drained" indicating the natural flood regime is altered by flood control structures (Folsom Dam). The major component, and three minor components, constituting about 95% of this map unit are listed as hydric on the national hydric soils list where the necessary landform occurs (flood plains; NRCS, 2021b). A typical profile of Columbia fine sandy loam has:

0–16 inches	Brown (10YR 4/3) slightly acidic fine sandy loam.
16–23 inches	Brown (10YR 4/3) slightly acidic fine sandy loam with strong brown (7.5YR 5/6) redoximorphic concentrations.

Riverwash: This soil has a variable typical profile, with a 0 to 2 percent slope and gravelly alluvium parent material. The water table has an average depth of 0 inches. About 90% of this map unit is listed as hydric on the national hydric soils list where the necessary landform occurs (flood plains; NRCS, 2021b).

Rossmoor-Urban land complex, 0–2% slopes: Rossmoor soils formed in alluvium from mixed rocks and occur on high floodplains. They are very deep and well-drained. Native vegetation is typically valley oaks with annual grasses and forbs. Flooding is rare due to protection from levees and upstream dams. One minor component (Columbia soils), constituting about 6% of this map unit is listed as hydric on the national hydric soils list where the necessary landform occurs (flood plains; NRCS, 2021b). A typical profile of Rossmoor fine sandy loam has:

0–29 inches	Dark brown (10YR 3/3) neutral fine sandy loam.
29–62 inches	Dark yellowish brown (10YR 3/4) neutral fine sandy loam.

4.3 Hydrology

The water side of the levee in the Project area is in the Lower American River USGS Hydrologic Unit (18020111) and is located within the mapped floodplain of the American River. The water side of the levee experiences flooding during times of high water. FEMA (2021) base flood elevations (1% annual chance flood) have been determined to be approximately 41–42 feet for the portion of the Project area that includes the American River. The Lower American River in the project area is a traditional navigable water (USACE, 2021).

Portions of the project area on the land side of the levees drain to municipal storm drain systems. The land side of the levee in the Project area is mapped in the Lower Sacramento USGS Hydrologic Unit (18020163).

4.4 Vegetation

Plant communities are assemblages of plant species that occur together in the same area and are defined by species composition and relative abundance. Most of the natural vegetation in the Project area is a strip of riparian forest between the American River and the levee. Higher on the banks of the river this vegetation is dominated by native oaks (*Quercus lobata*, *Q. agrifolia*) with an understory of blackberry (*Rubus armeniacus*, *R. ursinus*) brambles or California wild grape (*Vitis californica*). Lower on the banks the trees are more dominated by box elder (*Acer negundo*), Fremont cottonwood (*Populus fremontii* ssp. *fremontii*), willows (*Salix* spp.), and both native and introduced sycamores (*Platanus* spp.).

The levee consists mostly of highly managed vegetation on the levee slopes with gravel roads on the top. Vegetation is kept free of trees and shrubs, so that only low herbaceous vegetation is present. Vegetation on the levee is regularly mown. Photographs are in Appendix D. A list of plants observed at data points is in **Appendix E**.

Parts of the Project area on the land-side of the levee consist mostly of urban development. The west end of the Project area contains the end of 28th Street through Sutter Landing Regional Park and an adjacent parking lot. The east end includes the parking lot at Glenn Hall Park. A grassy field on the land side of the levee is included near the center of the Project area.

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CHAPTER 5
Results

5.1 Aquatic Resources

The aquatic resources delineation identified approximately 8.20 acres of aquatic resources in the Project area. Aquatic resources were classified using the *Classification of Wetlands and Deepwater Habitats of the United States* ("Cowardin Classification") (FGDC, 2013). Details are provided in **Table 1** and described below. **Figure 3** shows the location and extent of the aquatic resources. The Aquatic Resources Spreadsheet is in **Appendix F**.

TABLE 1
AQUATIC RESOURCES

Aquatic Resource (Map ID)	Cowardin Classification	Acres (linear feet)
Waters		
American River	Main Channel: (Riverine, Lower Perennial, Unconsolidated Bottom, Permanently Flooded, R2UBH)	4.68 (2,615)
	Waters Total:	**4.68 (2,615)**
Wetlands		
Forested Wetland	Palustrine, Forested, Seasonally Flooded (PFOC)	2.33
Scrub-shrub Wetland	Palustrine, Scrub-shrub, Seasonally Flooded (PSSC)	1.19
	Wetlands Total:	**3.52**
	Grand Total:	**8.20 (2,615)**

SOURCE: ESA 2021

Waters

American River

The American River is a perennial watercourse. The bed in the Project area consists of substrate ranging in size from mud to cobble. OHWM indicators in the field approximately matched the location of the 18,500 cfs flow elevation (**Appendix D**, photo 7), and that elevation was used to delineate the OHWM boundary (see Chapter 2.3).

Most of the river is unvegetated, or has sparse submerged or aquatic floating vegetation along the margins. Areas below the 18,500 cfs OHWM elevation with at least 5 percent vegetation cover are identified as wetlands below the OHWM and are discussed below.

Wetlands

Forested Wetland

Vegetated areas dominated by mature trees below the OHWM of the American River are mapped as forested wetland. Some of the forested wetland is on a level bench and some is on the sloped banks of the river. Much of the soil in the forested wetland is underlain by rip-rap installed by a flood protection project in the past. Soils consist of relatively recently-deposited alluvial silt loams, with redoximorphic concentrations beginning about 3–6 inches below the surface. At data points 5 and 7 either the concentrations were not abundant enough, or the matrix was not depleted enough, to meet the typical hydric soil indicators. Recently developed wetlands are a known problematic hydric soil (USACE, 2008a) and hydric soils were concluded based on 1) observations of redoximorphic concentrations, 2) location below the approximate minimum 2-year recurrence flood plain of the river, and 3) presence of both hydric vegetation and signs of wetland hydrology.

The forested wetland has a plant community dominated by riparian trees including Fremont cottonwood (FAC), box elder (FACW), western sycamore (FAC; *Platanus racemosa*), Oregon ash (FACW; *Fraxinus latifolia*), and arroyo willow (FACW; *Salix lasiolepis*). Much of the forested wetland has a well-developed understory/shrub layer dominated by both native and introduced blackberry (FAC) and California grape (FACU; *Vitis californica*). Whiteroot sedge (FAC; *Carex barbarae*) and beardless wild-rye (FAC; *Elymus triticoides*) are common in the herb layer. Hydrology indicators were the FAC-neutral test, riverine drift deposits, and the data indicating the area below the 18,500 cfs elevation floods at least every two years on average.

Scrub-Shrub Wetland

The scrub-shrub wetland is in a similar landscape position as the forested wetland but has more exposed rip-rap at the surface and no level benches. Woody vegetation has at least approximately 30% cover but is mostly less than 20 feet tall, the standard used in the Cowardin system (FGDC, 2013). Trees are sparser and smaller than in the forested wetland and sandbar willow (FACW; *Salix exigua*), a species more tolerant of poor soil conditions, is more common. Other woody and herbaceous vegetation common in the forested wetland is also present, but at less cover, and there is greater cover of ruderal herbaceous species.

Path: U:\GIS\GIS\Projects\16xxxx\D160092_17_LAR_C3\03_MXDs_Projects\WD\Site1_1\Fig3a_Results.mxd_EPimentel_1/31/2022

SOURCE: USDA Imagery, 2018; ESA, 2022

Coordinate System: North American Datum 1983
Projection: Lambery Conformal Conic
Datum: California State Plane Zone II, US Feet

ESA

N

0 300
Feet
1 inch = 300 feet

Study Area (30.52 ac)
OHWM (18,500cfs WSE)
Reference Points

Sampling Points
Upland
Wetland

Aquatic Features
Forested Wetland (2.33 ac; 101,595 sq ft)
Scrub-shrub Wetland (1.19 ac; 51,888 sq ft)
Lower American River (4.68 ac; 203,769 sq ft; 2,615 linear ft)

American River Common Features Contract 3A

Figure 3a
Aquatic Resources Delineation
Delineated by: Chuck Hughes&Amanda Segura-Moon
Mapping by: Eryn Pimentel
Created on: January 31, 2022

SOURCE: USDA Imagery, 2018; ESA, 2022

Coordinate System: North American Datum 1983
Projection: Lambery Conformal Conic
Datum: California State Plane Zone II, US Feet

0 300
Feet
1 inch = 300 feet

Study Area (30.52 ac)
OHWM (18,500cfs WSE)
Reference Points

Sampling Points
Upland
Wetland

Aquatic Features
Forested Wetland (2.33 ac; 101,595 sq ft)
Scrub-shrub Wetland (1.19 ac; 51,888 sq ft)
Lower American River (4.68 ac; 203,769 sq ft; 2,615 linear ft)

American River Common Features Contract 3A

Figure 3b
Aquatic Resources Delineation
Delineated by: Chuck Hughes&Amanda Segura-Moon
Mapping by: Eryn Pimentel
Created on: January 31, 2022

Path: U:\GIS\GIS\Projects\16xxxx\D160092_17 LAR C3\03_MXDs_Projects\WD\Site1_1\Fig3b_Results.mxd, EPimentel 1/31/2022

American River Bike Trail
Direction of Flow
American River
Teichert Ave
Moddison Ave
Sandburg Dr
Carrington St
Cisco Cir
Hale Ct
38.57991272,
-121.42526152
Carlson Dr
45Th St
Huston Ct
Minerva Ave
Jerome Way
Roger Way
Caleb Ave
Elvas Ave
Sandburg Dr
46Th St
Coloma Way
49Th St
Callister Ave
State Ave
Fallon Ln
50Th St
Spilman Ave
Reid Way
Shepard Ave
Betty Way
A St
51St St

Path: U:\GIS\GIS\Projects\16xxx\D160092_17_LAR_C3\03_MXDs_Projects\WDIS\te1_1\Fig3c_Results.mxd, EPimentel 1/31/2022

SOURCE: USDA Imagery, 2018; ESA, 2022

Coordinate System: North American Datum 1983
Projection: Lambery Conformal Conic
Datum: California State Plane Zone II, US Feet

ESA

N

0 300
Feet
1 inch = 300 feet

Study Area (30.52 ac)
OHWM (18,500cfs WSE)
Reference Points

Sampling Points
Upland
Wetland

Aquatic Features
Forested Wetland (2.33 ac; 101,595 sq ft)
Scrub-shrub Wetland (1.19 ac; 51,888 sq ft)
Lower American River (4.68 ac; 203,769 sq ft; 2,615 linear ft)

American River Common Features Contract 3A

Figure 3c
Aquatic Resources Delineation
Delineated by: Chuck Hughes&Amanda Segura-Moon
Mapping by: Eryn Pimentel
Created on: January 31, 2022

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5.2 Regulatory Analysis

Waters of the U.S.

After the aquatic resources were delineated, all features were evaluated to determine whether they may be regulated under the CWA, using the parameters set forth under the current regulations defining waters of the U.S. **Table 2** summarizes the results of this assessment for all aquatic resources in the Project area.

TABLE 2
APPLICATION OF THE "WATERS OF THE UNITED STATES" DEFINITION TO AQUATIC RESOURCES

Aquatic Resource	Waters of the U.S. (acres)	Excluded (acres)	Rationale
Waters			
American River	4.68	—	Determined by the Sacramento District of the USACE (2021) to be a navigable water (33 CFR [2014 edition] 328.3(a)(1)).
Wetlands			
Forested Wetland	2.33	—	Adjacent wetland, bordering a navigable water (33 CFR [2014 edition] 328.3(a)(7)).
Scrub-Shrub Wetland	1.19	—	Adjacent wetland, bordering a navigable water (33 CFR [2014 edition] 328.3(a)(7)).
Total:	**8.20**	—	

American River

The American River in the Project area is defined as a navigable water by the Sacramento District of the USACE (2021). The approximate upper limit of navigability is near Bradshaw Road, several miles upstream. Navigable waterways that were, are, or may be used in interstate or foreign commerce are waters of the U.S. (33 CFR 328.3(a)(1)).

Forested Wetland, Scrub-Shrub Wetland

These wetlands are below the OHWM of the American River. The wetlands border the American River, and therefore meet the definition of adjacent wetlands (33 CFR 328.3(c)). Adjacent wetlands are waters of the U.S. (33 CFR 328.3(a)(7)).

Waters of the State

Aquatic resources that qualify as waters of U.S also qualify as waters of the state, therefore all of the aquatic resources in the Project area are waters of the state.

5.3 Conclusions

In total, 8.20 acres of aquatic resources are present in the Project area. All of the aquatic resources meet criteria as both waters of the U.S. and waters of the state.

This report documents the delineation of the boundaries of aquatic resources in the Project area, based on the best professional judgment of ESA investigators. All conclusions presented should be considered preliminary and subject to change pending review by the USACE and/or State of California.

CHAPTER 6
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Appendix A
Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: **1**
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex-linear Slope (%): 0
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Columbia sandy loam, drained, 0–2% slopes NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☒	
Hydric Soil Present?	Yes ☐	No ☒	Is the Sampled Area
Wetland Hydrology Present?	Yes ☐	No ☒	within a Wetland? Yes ☐ No ☒

Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:_____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
Total Cover:			
Sapling/Shrub Stratum: (Plot size:__6 ft radius___)			
1. *Sambucus caerulea*	7	D	FACU
2. *Rosa californica*	1		FAC
3.			
4.			
5.			
Total Cover:	8		
Herb Stratum: (Plot size:___ 6 ft radius _____)			
1. *Bromus diandrus*	60	D	UPL
2. *Elymus triticoides*	5		FAC
3. *Galium aparine*	5		FACU
4. *Raphanus rahanistrum*	3		UPL
5.			
6.			
7.			
8.			
Total Cover:	73		
Woody Vine Stratum: (Plot size:_____)			
1.			
2.			
Total Cover:			

% Bare Ground in Herb Stratum 30% % Cover of Biotic Crust 0%

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL Species: _____ x 1 = _____
FACW Species _____ x 2 = _____
FAC Species _____ x 3 = _____
FACU Species _____ x 4 = _____
UPL Species _____ x 5 = _____
Column Totals: _____ (A) _____ (B)
Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks:

SOIL

Sampling Point: **1**

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 3/3	100					Sandy loam	
4-16	10YR 3/4	100					Sandy loam	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☐ No ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☐ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____

Water Table Present? Yes ☐ No ☒ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: **2**
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave-linear Slope (%): 0
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Columbia sandy loam, drained, 0–2% slopes NWI classification: PFOC
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ☒ No ☐
Hydric Soil Present? Yes ☒ No ☐ Is the Sampled Area
Wetland Hydrology Present? Yes ☒ No ☐ within a Wetland? Yes ☒ No ☐
Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:__ 6 ft radius _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus fremontii*	20	D	FAC
2. *Platanus racemosa*	20	D	FAC
3. *Acer negundo*	25	D	FACW
4. *Fraxinus latifolia*	5		FACW
Total Cover:	70		
Sapling/Shrub Stratum: (Plot size:_____)			
1.			
2.			
3.			
4.			
5.			
Total Cover:			
Herb Stratum: (Plot size:_____ 6 ft radius _____)			
1. *Carex barbarae*	2		FAC
2. *Galium aparine*	1		FACU
3.			
4.			
5.			
6.			
7.			
8.			
Total Cover:	3		
Woody Vine Stratum: (Plot size:_____)			
1.			
2.			
Total Cover:			

% Bare Ground in Herb Stratum 97% % Cover of Biotic Crust 0%

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL Species: x 1 =
FACW Species x 2 =
FAC Species x 3 =
FACU Species x 4 =
UPL Species x 5 =
Column Totals: (A) (B)
Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
☒ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks:

SOIL Sampling Point: **2**

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 3/3	100					Silt loam	
3-10	10YR 4/2	90	10YR 4/6	10	C	M/ PL	Silt loam	
10-16	10YR 4/4	100					Sandy clay loam	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☒ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type: _____
Depth (inches): _____

Hydric Soil Present? Yes ☒ **No** ☐

Remarks: Could be buried soil at 10 inches.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☒ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☐ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☒ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____
Water Table Present? Yes ☐ No ☒ Depth (inches): _____
Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches): _____

Wetland Hydrology Present? Yes ☒ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks: American River water surface about 18 inches in elevation below this data point during fieldwork. Data point is below OHWM of river, mapped at the 18,500 cfs elevation where river is known to reach about at least every other year on average.

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: **3**
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Field Local relief (concave, convex, none): linear-linear Slope (%): 3
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Columbia sandy loam, drained, 0–2% slopes NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☒	
Hydric Soil Present?	Yes ☐	No ☒	Is the Sampled Area
Wetland Hydrology Present?	Yes ☐	No ☒	within a Wetland? Yes ☐ No ☒

Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:_____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
Total Cover:			
Sapling/Shrub Stratum: (Plot size:_____)			
1.			
2.			
3.			
4.			
5.			
Total Cover:			
Herb Stratum: (Plot size:___ 6 ft radius _____)			
1. *Centaurea solstitialis*	10		UPL
2. *Bromus hordeaceus*	40	D	FACU
3. *Avena* sp.	40	D	UPL
4. *Trifolium hirtum*	10		UPL
5.			
6.			
7.			
8.			
Total Cover:	100		
Woody Vine Stratum: (Plot size:_____)			
1.			
2.			
Total Cover:			

% Bare Ground in Herb Stratum 5% % Cover of Biotic Crust 0%

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL Species:	x 1 =	
FACW Species	x 2 =	
FAC Species	x 3 =	
FACU Species	x 4 =	
UPL Species	x 5 =	
Column Totals: (A)	(B)	

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
- ☐ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.0[1]
- ☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks:

SOIL

Sampling Point: **3**

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/2	100					Clay loam	
4-10	10YR 4/4	97	10YR 4/6	3	C	M	Clay loam	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☐ **No** ☒

Remarks: Geotextile encountered at 10 inches. It was likely installed when the nearby shrubs were planted. This area was used for construction staging in the past based on aerial photographs. Soil horizons above geotextile have some mixed textures and do not appear natural.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☐ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____

Water Table Present? Yes ☐ No ☒ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ **No** ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: **4**
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): convex-linear Slope (%): 10
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Columbia-Urban land complex, drained, 0–2% slopes NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☒	
Hydric Soil Present?	Yes ☐	No ☒	Is the Sampled Area
Wetland Hydrology Present?	Yes ☐	No ☒	within a Wetland? Yes ☐ No ☒

Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:__ 6 ft radius _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Robinia pseudoacacia*	30	D	FACU
2.			
3.			
4.			
Total Cover:	30		
Sapling/Shrub Stratum: (Plot size:_ 6 ft radius ____)			
1. *Sambucus caerulea*	1		FACU
2.			
3.			
4.			
5.			
Total Cover:	1		
Herb Stratum: (Plot size:__ 6 ft radius _____)			
1. *Bromus diandrus*	40	D	UPL
2. *Hordeum murinum* ssp. *leporinum*	60	D	UPL
3.			
4.			
5.			
6.			
7.			
8.			
Total Cover:	100		
Woody Vine Stratum: (Plot size:_____)			
1.			
2.			
Total Cover:			

% Bare Ground in Herb Stratum 10% % Cover of Biotic Crust 0%

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL Species: _____ x 1 = _____
FACW Species _____ x 2 = _____
FAC Species _____ x 3 = _____
FACU Species _____ x 4 = _____
UPL Species _____ x 5 = _____
Column Totals: _____ (A) _____ (B)
Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks:

SOIL Sampling Point: **4**

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	--							Undecomposed organic matter
3-14	10YR 3/3	100					Fine sandy loam	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☐ **No** ☒

Remarks: Hay may have placed on the surface in the past.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☐ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____

Water Table Present? Yes ☐ No ☒ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ **No** ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: **5**
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): concave-linear Slope (%): 7
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Columbia sandy loam, drained, 0–2% slopes NWI classification: PFOC
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☒	No ☐	
Hydric Soil Present?	Yes ☒	No ☐	Is the Sampled Area
Wetland Hydrology Present?	Yes ☒	No ☐	within a Wetland? Yes ☒ No ☐

Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:_____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
Total Cover:			
Sapling/Shrub Stratum: (Plot size:_ 6 ft radius ____)			
1. *Acer negundo*	15	D	FACW
2.			
3.			
4.			
5.			
Total Cover:	15		
Herb Stratum: (Plot size:___ 6 ft radius _____)			
1. *Rubus ursinus*	7	D	FAC
2. *Carex barbarae*	2		FAC
3. *Bromus diandrus*	1		UPL
4. *Carduus pycnocephalus*	1		UPL
5. *Azolla filiculoides*	3	D	OBL
6.			
7.			
8.			
Total Cover:	14		
Woody Vine Stratum: (Plot size:_____)			
1.			
2.			
Total Cover:			

% Bare Ground in Herb Stratum 95% % Cover of Biotic Crust 0%

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL Species: x 1 =
FACW Species x 2 =
FAC Species x 3 =
FACU Species x 4 =
UPL Species x 5 =
Column Totals: (A) (B)
Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
☒ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks:

SOIL Sampling Point: **5**

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 4/3	100					Loamy sand	
3-10	10YR 4/3	95	10YR 2/2	5	C	M	Loamy sand	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☒ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type: _____
Depth (inches): _____

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks: Rip-rap below 10 inches. Soil is recent alluvium and may not have had time for hydric soil indicators to develop.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☒ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☒ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☒ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____
Water Table Present? Yes ☐ No ☒ Depth (inches): _____
Saturation Present? Yes ☐ No ☒ Depth (inches): _____
(includes capillary fringe)

Wetland Hydrology Present? **Yes** ☒ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks: American River water surface about 24 inches in elevation below this data point during fieldwork. Data point is below OHWM of river, mapped at the 18,500 cfs elevation where river is known to reach about at least every other year on average. Small woody debris arranged into drift deposits by recent high water event that reached this data point.

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: **6**
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): convex-linear Slope (%): 2
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Rossmoor-Urban land complex, 0–2% slopes NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☒	
Hydric Soil Present?	Yes ☐	No ☒	Is the Sampled Area
Wetland Hydrology Present?	Yes ☐	No ☒	within a Wetland? Yes ☒ No ☐

Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:__12 ft radius_____)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus lobata*	35	D	FACU
2. *Robinia pseudoacacia*	20	D	FACU
3.			
4.			
Total Cover:	55		
Sapling/Shrub Stratum: (Plot size:_____)			
1.			
2.			
3.			
4.			
5.			
Total Cover:			
Herb Stratum: (Plot size:__6 ft radius_____)			
1. *Bromus diandrus*	30	D	UPL
2. *Rubus ursinus*	5		FAC
3. *Rubus armeniacus*	12		FAC
4. *Hordeum murinum ssp. leporinum*	40	D	UPL
5. *Cynodon dactylon*	1		FACU
6.			
7.			
8.			
Total Cover:	88		
Woody Vine Stratum: (Plot size:_____)			
1.			
2.			
Total Cover:			

% Bare Ground in Herb Stratum 35% % Cover of Biotic Crust 0%

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL Species: x 1 =
FACW Species x 2 =
FAC Species x 3 =
FACU Species x 4 =
UPL Species x 5 =
Column Totals: (A) (B)
Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks:

SOIL Sampling Point: **6**

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/2	100					Clay loam	
6-12	10YR 4/3	100					Fine sandy clay loam	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type: _____
Depth (inches): _____

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☐ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____
Water Table Present? Yes ☐ No ☒ Depth (inches): _____
Saturation Present? Yes ☐ No ☒ Depth (inches): _____
(includes capillary fringe)

Wetland Hydrology Present? **Yes** ☐ **No** ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region
Routine Wetland Determination
(September 2008 V2.0 COE Arid West Wetlands Delineation Manual)

Project/Site: Contract 3A City/County: Sacramento County Sampling Date: October 28, 2021
Applicant/Owner: SAFCA State: CA Sampling Point: 7
Investigator(s): Chuck Hughes and Amanda Segura-Moon Section, Township, Range: See Report
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): concave-linear Slope (%): 2
Subregion (LRR): C Lat: See Report Long: Datum:
Soil Map Unit Name: Rossmoor-Urban land complex, 0–2% slopes NWI classification: PFOC
Are climatic/hydrologic conditions on the site typical for this time of the year? Yes ☐ No ☒ (If no, explain in remarks.)
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
Are Vegetation ☐ Soil ☐, Or Hydrology ☐ Naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☒	No ☐	
Hydric Soil Present?	Yes ☒	No ☐	Is the Sampled Area
Wetland Hydrology Present?	Yes ☒	No ☐	within a Wetland? Yes ☐ No ☒

Remarks: Previous wet season was much drier than normal, but over six inches of precipitation recorded in the week prior to fieldwork.

VEGETATION

Tree Stratum: ((Plot size:__6 ft radius_____)

	Absolute % Cover	Dominant Species?	Indicator Status
1. *Salix lasiolepis*	3		FACW
2.			
3.			
4.			
Total Cover:	3		

Sapling/Shrub Stratum: (Plot size:_6 ft radius____)

1. *Fraxinus latifolia*	3	D	FACW
2. *Acer negundo*	2	D	FACW
3.			
4.			
5.			
Total Cover:	5		

Herb Stratum: (Plot size:__6 ft radius_____)

1. *Rumex crispus*	3		FAC
2. *Artemisia douglasiana*	5		FAC
3. *Verbena litoralis*	3		UPL
4. *Carex barbarae*	15		FAC
5. *Elymus triticoides*	45	D	FAC
6. *Rubus armeniacus*	5		FAC
7. *Cynodon dactylon*	10		FACU
8.			
Total Cover:	86		

Woody Vine Stratum: (Plot size:__6 ft radius_____)

1. *Vitis californica*	30	D	FACU
2.			
Total Cover:			

% Bare Ground in Herb Stratum 25% % Cover of Biotic Crust 0%

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 75% (A/B)

Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL Species: x 1 =
FACW Species x 2 =
FAC Species x 3 =
FACU Species x 4 =
UPL Species x 5 =
Column Totals: (A) (B)
Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
☒ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of Hydric soil and wetland hydrology must be present.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks:

SOIL

Sampling Point: 7

Profile Description: (Describe the depth needed to document the Indicator or confirm the absence of Indicators.)

Depth	Matrix		Redox Features					
Inches	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/3	100					Sandy loam	
6-13	10YR 4/3	98	7.5YR 3/2	2	C	M	Clay loam	

[1]Type : C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5) **(LRR C)**
- ☐ 1 cm Muck (A9) **(LRR D)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☒ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☒ **No** ☐

Remarks: Recent alluvium, hydric indicators may not have had time to form.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface water (A1)
- ☐ High water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1) (**Nonriverine**)
- ☐ Sediment Deposits (B2) (**Nonriverine**)
- ☐ Drift Deposits (B3) (**Nonriverine**)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)
- ☐ Biotic Crust (B12)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☒ Other (Explain in Remarks)

Secondary Indicators (2or more required)

- ☐ Water Marks (B1) (**Riverine**)
- ☐ Sediment Deposits (B2) (**Riverine**)
- ☐ Drift Deposits (B3) (**Riverine**)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible-Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☒ FAC-Neutral test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____

Water Table Present? Yes ☐ No ☒ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches): _____

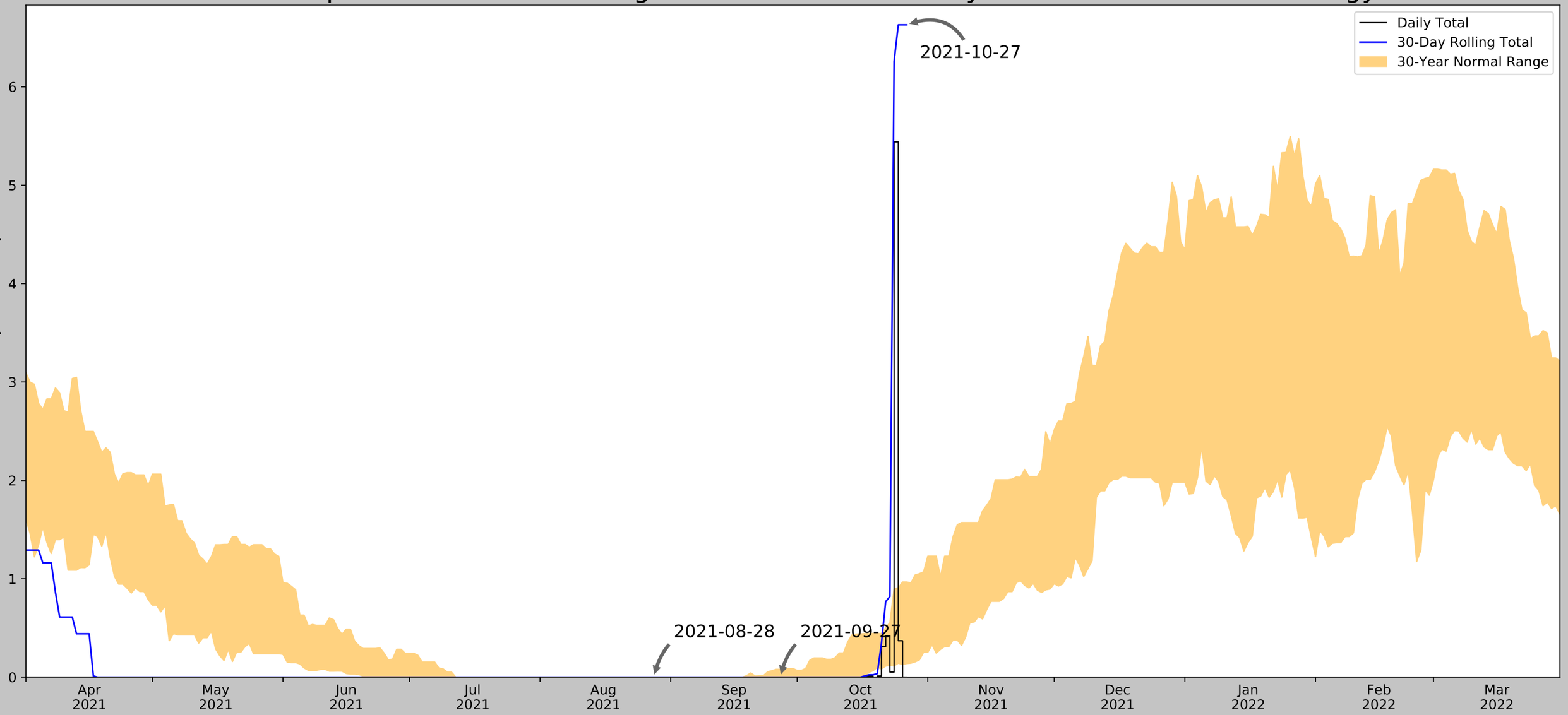
Wetland Hydrology Present? Yes ☒ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections, if available:

Remarks: Data point is below OHWM of river, mapped at the 18,500 cfs elevation where river is known to reach about at least every other year on average.

Appendix B
Antecedent Precipitation Tool Output

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	38.584665, -121.445025
Observation Date	2021-10-27
Elevation (ft)	39.77
Drought Index (PDSI)	Extreme drought (2021-09)
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-27	0.138189	0.966535	6.629921	Wet	3	3	9
2021-09-27	0.0	0.079134	0.0	Normal	2	2	4
2021-08-28	0.0	0.0	0.0	Normal	2	1	2
Result							Wetter than Normal - 15

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days (Normal)	Days (Antecedent)
SACRAMENTO 5 ESE	38.5556, -121.4169	38.058	2.518	1.712	1.137	11352	89
SACRAMENTO 2.0 SE	38.5499, -121.4374	34.121	2.437	5.649	1.11	1	1

Appendix C
Soil Resource Report

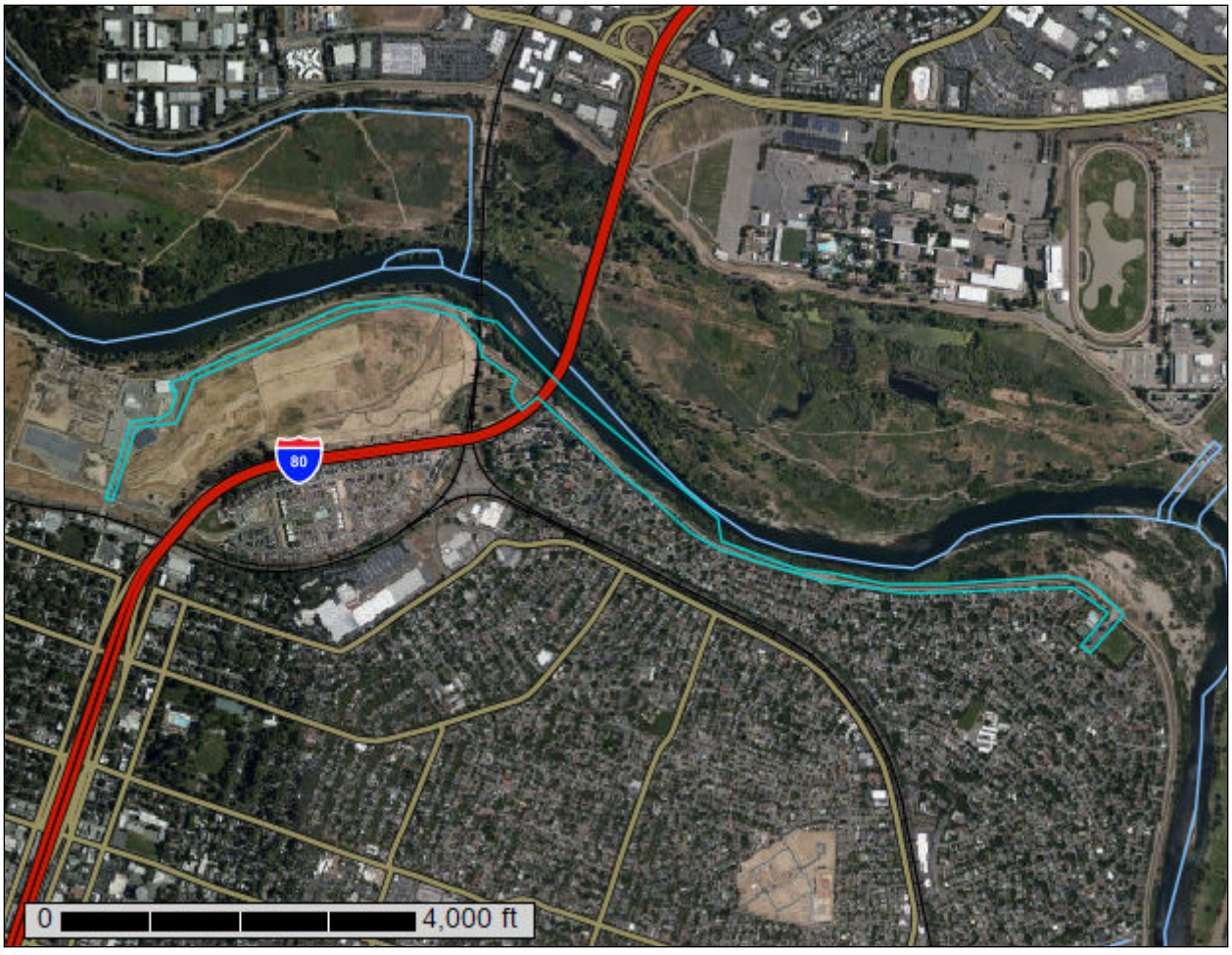
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Sacramento County, California



October 29, 2021

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:19,200 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 250 500 1000 1500

Feet: 0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Sacramento County, California
Survey Area Data: Version 20, Sep 3, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 8, 2019—Jun 1, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
117	Columbia sandy loam, drained, 0 to 2 percent slopes	8.9	17.8%
124	Columbia-Urban land complex, drained, 0 to 2 percent slopes	6.3	12.6%
136	Dumps	10.1	20.2%
203	Riverwash	2.1	4.2%
205	Rossmoor-Urban land complex, 0 to 2 percent slopes	17.1	34.1%
247	Water	5.6	11.1%
Totals for Area of Interest		**50.2**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Sacramento County, California

117—Columbia sandy loam, drained, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hhlr
Elevation: 10 to 150 feet
Mean annual precipitation: 12 to 25 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 230 to 340 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Columbia and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Columbia

Setting

Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

H1 - 0 to 11 inches: sandy loam
H2 - 11 to 60 inches: stratified loamy sand to silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.1 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A
Hydric soil rating: Yes

Minor Components

Columbia, clay substratum

Percent of map unit: 10 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread

Hydric soil rating: Yes

Cosumnes

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Hydric soil rating: Yes

Sailboat

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Hydric soil rating: Yes

Vina

Percent of map unit: 4 percent
Hydric soil rating: No

Unnamed, occasional flooded

Percent of map unit: 1 percent
Hydric soil rating: No

124—Columbia-Urban land complex, drained, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hhlz
Elevation: 150 feet
Mean annual precipitation: 12 to 25 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 230 to 340 days
Farmland classification: Not prime farmland

Map Unit Composition

Columbia and similar soils: 60 percent
Urban land: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Columbia

Setting

Landform: Flood plains, natural levees
Landform position (two-dimensional): Toeslope, summit
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

H1 - 0 to 11 inches: sandy loam

H2 - 11 to 43 inches: stratified loamy sand to silt loam
H3 - 43 to 64 inches: clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: Rare
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A/D
Hydric soil rating: Yes

Description of Urban Land

Typical profile

H1 - 0 to 6 inches: variable

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Cosumnes

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Hydric soil rating: Yes

Rossmoor

Percent of map unit: 3 percent
Hydric soil rating: No

Sailboat

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Hydric soil rating: Yes

Unnamed, unburied surface

Percent of map unit: 1 percent
Hydric soil rating: No

136—Dumps

Map Unit Composition

Dumps: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dumps

Setting

Down-slope shape: Linear
Across-slope shape: Linear

Typical profile

H1 - 0 to 60 inches: variable

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

203—Riverwash

Map Unit Setting

National map unit symbol: hhpj
Elevation: 20 to 280 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 250 to 345 days
Farmland classification: Not prime farmland

Map Unit Composition

Riverwash: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Riverwash

Setting

Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Gravelly alluvium

Typical profile

H1 - 0 to 60 inches: variable

Properties and qualities

Slope: 0 to 2 percent
Runoff class: Negligible
Depth to water table: About 0 inches
Frequency of flooding: FrequentNone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8w
Ecological site: R017XY903CA - Stream Channels and Floodplains
Hydric soil rating: Yes

Minor Components

Xerofluvents

Percent of map unit: 10 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

205—Rossmoor-Urban land complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: hhpl
Elevation: 30 to 110 feet
Mean annual precipitation: 20 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 275 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Rossmoor and similar soils: 55 percent
Urban land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rossmoor

Setting

Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear

Parent material: Alluvium

Typical profile

H1 - 0 to 6 inches: fine sandy loam
H2 - 6 to 62 inches: fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: A
Hydric soil rating: No

Description of Urban Land

Typical profile

H1 - 0 to 6 inches: variable

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Columbia

Percent of map unit: 6 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Hydric soil rating: Yes

Americanos

Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed, gravelly substratum

Percent of map unit: 2 percent
Hydric soil rating: No

Unnamed, unloamy sandamed

Percent of map unit: 2 percent
Hydric soil rating: No

247—Water

Map Unit Composition

Water: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

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Appendix D
Photographs

Photograph 1
View looking upstream along the toe of the levee. The shovel is at data point 6.

Photograph 2
View looking downhill from the toe of the levee. The shovel is at data point 6. The American River is in the background.

Photograph 3
View looking downstream in forested wetland. The shovel is at data point 7.

Photograph 4
View looking downhill from the upper bank of the American River. The shovel is at data point 1. The trees in the background are on a steep slope down to the river that begins a few feet past the data point.

Photograph 5
The shovel is at data point 2, on a low bench of forested wetland. The surface of the American River is visible in the background through the vegetation. The elevation of the water was about 18 inches below data point 2 during the fieldwork.

Photograph 5
The shovel is at data point 3. This gently sloped field on the land side of the levee may be used for staging. The levee is visible in the background.

Photograph 6

The shovel is at data point 4, on a high bench. Just past the data point there is a very steep slope of about 10 vertical feet. The 18,500 cfs flow elevation and OHWM of the American River is on the steep slope.

Photograph 7

View looking downstream of the steep slope below Photograph 6. The shovel is placed at the 18,500 cfs flow elevation, which was used as the OHWM of the American River and matches well with physical indicators such as a change in soil/ sediment characteristics, break in slope, and destruction of terrestrial vegetation visible to the right of the shovel.

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Appendix E
Plants Observed at Data Points

PLANTS OBSERVED

Family	Scientific Name	Common Name	Native/ Introduced	Wetland Indicator
FERNS				
Azollaceae	Azolla filiculoides	Water fern	N	OBL
EUDICOTS				
Adoxaceae	*Sambucus nigra* ssp. *caerulea*	Blue elderberry	N	FACU
Asteraceae	*Artemisia douglasiana*	Mugwort	N	FAC
	Carduus pycnocephalus ssp. *pycnocephalus*	Italian thistle	I	UPL
	Centaurea solstitialis	Yellow star-thistle	I	UPL
Brassicaceae	*Raphanus raphanistrum*	Wild radish	I	UPL
Fabaceae	*Trifolium hirtum*	Rose clover	I	UPL
	Robinia pseudoacacia	Black locust	I	FACU
Fagaceae	*Quercus lobata*	Valley Oak	N	FACU
Oleaceae	*Fraxinus latifolia*	Oregon ash	N	FACW
Platanaceae	*Platanus racemosa*	Western sycamore	N	FAC
Polygonaceae	*Rumex crispus*	Curly dock	I	FAC
Rosaceae	*Rosa californica*	California wild rose	N	FAC
	Rubus armeniacus	Himalayan blackberry	I	FAC
	Rubus ursinus	California blackberry	N	FAC
Rubiaceae	*Galium aparine*	Goose grass	N	FACU
Salicaceae	*Populus fremontii*	Fremont's cottonwood	N	FAC
	Salix lasiolepis	Arroyo willow	N	FACW
Sapindaceae	*Acer negundo*	Box elder	N	FACW
Vitaceae	*Vitus californica*	California grape	N	FACU
MONOCOTS				
Cyperaceae	*Carex barbarae*	Whiteroot sedge	N	FAC
Poaceae	*Avena* sp.	Wild oat	I	UPL
	Bromus diandrus	Ripgut grass	I	UPL
	Bromus hordeaceus	Soft chess	I	FACU
	Cynodon dactylon	Bermuda grass	I	FACU
	Elymus triticoides	Beardless wild rye	N	FACU
	Hordeum murinum ssp. *leporinum*	Foxtail barley	I	FACU

Appendix F
Aquatic Resources Spreadsheet

Waters_Name	State	Cowardin_Code	Meas_Type	Amount	Units	Waters_Type	Latitude	Longitude
American River	CALIFORNIA	R2UB	Area	4.68	ACRE	TNW	38.58603595880	-121.44599675500
Forested Wetland 1	CALIFORNIA	PFO	Area	0.84	ACRE	TNWW	38.58787792280	-121.44877805600
Forested Wetland 2	CALIFORNIA	PFO	Area	0.51	ACRE	TNWW	38.58650258250	-121.44697179400
Forested Wetland 3	CALIFORNIA	PFO	Area	0.98	ACRE	TNWW	38.58371713490	-121.44306446700
Scrub-Shrub Wetland 1	CALIFORNIA	PSS	Area	0.09	ACRE	TNWW	38.58701086460	-121.44756743000
Scrub-Shrub Wetland 2	CALIFORNIA	PSS	Area	1.1	ACRE	TNWW	38.58523008590	-121.44530687500

Appendix C

American River Watershed Common Features 2016 Project, American River Contract 3A Standard Assessment Methodology Analysis

ESA

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esassoc.com

memorandum

date	January 21, 2022
to	Nate Martin and Bailey Hunter, USACE
cc	Dan Mielke, USACE; Bailey Hunter, USACE; Guy Romine, USACE; David Moldoff, DWR; Miles Claret, DWR; Dan Tibbitts, SAFCA; Melanie Saucier, SAFCA
from	Dave Beauchamp and Taylor Spaulding
subject	**American River Common Features (ARCF) 2016 Contract 3A: Draft Standard Assessment Methodology (SAM) Analysis**

Introduction

When the NMFS Biological Opinion (BO) for the ARCF General Reevaluation Report (GRR) was issued, September 15, 2015, specific project designs were not yet developed. Consequently, impacts to relevant fish taxa were analyzed at a feasibility level of design using "reasonable worst-case" parameters for SAM analysis (NMFS 2015, p. 174). The plan was to conduct project-specific SAM analyses once project designs were completed, to better evaluate impacts and use SAM results in the negotiation of appropriate mitigation for project actions (NMFS 2015, p. 180). The consultation for the ARCF GRR was reinitiated in 2020, and a new BO was issued by NMFS (2021). Because limitation in the SAM approach for assessing impacts became clear during the 2015 consultation and the 2020/2021 reinitiated consultation, NMFS will determine habitat impacts using a method that combines the SAM model and expected construction and mitigation footprints, as follows.

> "Once site-specific designs are completed, the SAM analysis will be run. The planned project footprint and scale of on-site mitigation will then be compared against the SAM analysis to determine accuracy of the analysis. In instances where on-site mitigation and impacts are determined by NMFS to not be represented properly by the SAM analysis, impacts will be calculated by projects footprints and impacts will be agreed upon between NMFS and the Corps." (NMFS 2021, p. 40).

Therefore, as part of this approach to assess project impacts, NMFS will assess SRA habitat values according to the SAM method of analysis and compare them to on-site compensation values based on project designs (NMFS, 2021, p. 56). The SAM model is also used by USACE to guide design of project elements that provide SRA habitat values, such as planting benches and instream woody material and to update the O&M Manual to ensure that the mitigation elements are meeting the criteria established in the Habitat Mitigation and Monitoring Plan (HMMP) with the goal of meeting SAM values by USACE (NMFS 2021, p. 108). USACE may revise the SAM model with involvement of the NMFS Central Valley Office (NMFS 2021, p. 111).

With the completion of 65% designs for American River Contract 3A, at the Lower American River (LAR), impacts can be analyzed using SAM parameters measured from the specific draft project design. Results of this updated SAM analysis are provided in the SAM Results section below.

The updated SAM analysis was conducted following the same methods as were described in the original NMFS BO (NMFS 2015), with a few small updates made in coordination with NMFS biologists during the analysis for LAR Contract 1. These updates are described in the Methods section below.

Methods

The first update was the inclusion of Winter-run Chinook salmon. Recent research indicates that some juvenile Winter-run Chinook salmon use the LAR for non-natal rearing habitat (Phillis et al. 2018). Little information exists about the seasonal timing of this habitat use and the default SAM life-history timing table for Winter-run Chinook salmon in the LAR shows no occurrence of any life stage. Consequently, the default SAM life-history timing table for Winter-run Chinook salmon in the section of the Sacramento River that includes the American River confluence (**Figure 1**) was used for this analysis. For all other Evolutionarily Significant Units (ESUs) their default SAM life-history timing tables for the LAR were used (Figure 1).

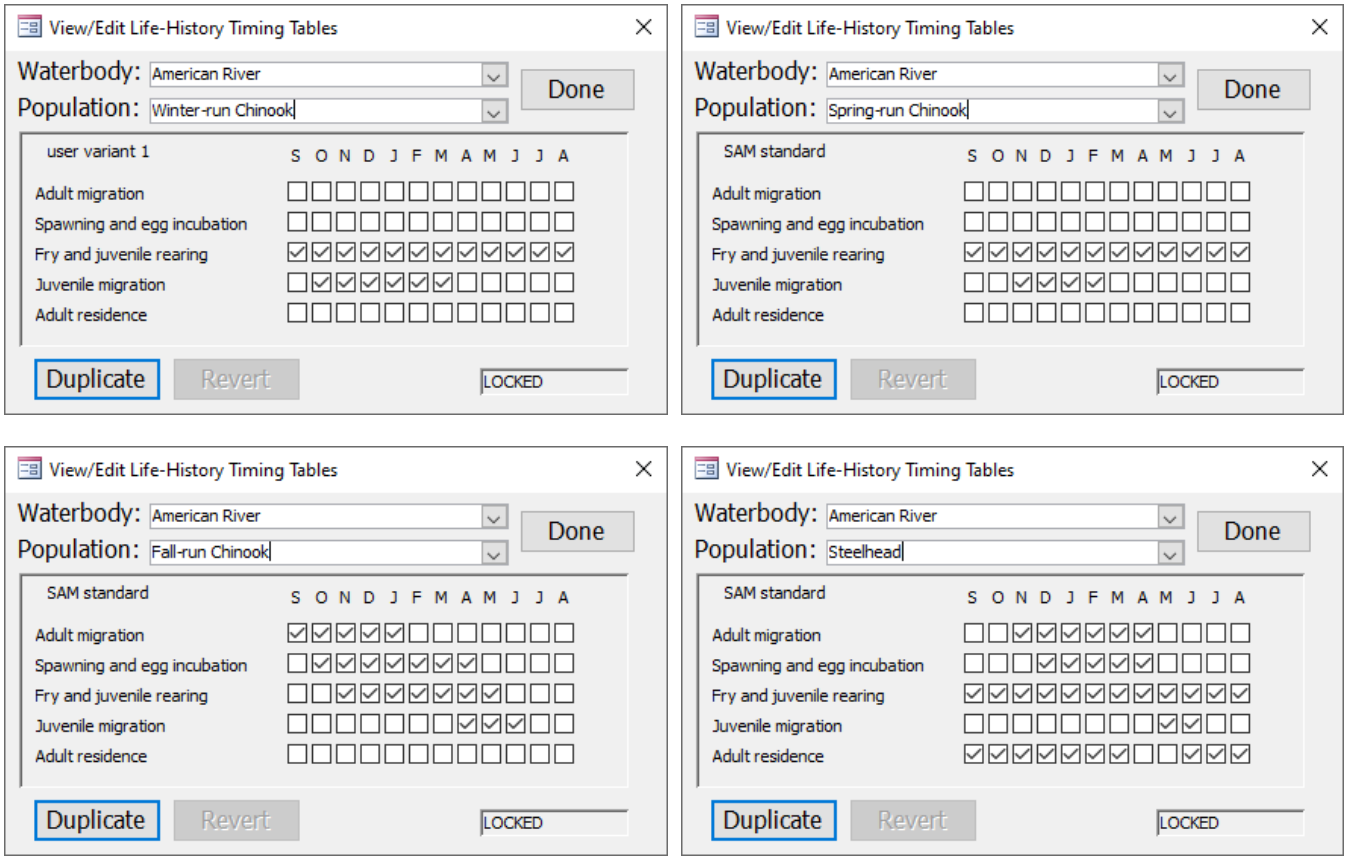

Figure 1
SAM Life-History Timing Tables Used in this Analysis

The second update was the addition of temporal change (decay) for Instream Structure in both existing and 65% design conditions. Decay of instream structure was estimated using the data compiled in Roni et al. (2015), with a logistic regression used to fit the data and produce estimates of remaining structure at years 0, 1, 5, 15, 25, and 50 (**Table 1**). These estimates were used to scale down the measured values of instream structure shoreline coverage (Tables 7 and 8) over time.

TABLE 1
ESTIMATES OF REMAINING INSTREAM STRUCTURE OVER THE 50-YEAR SAM MODELING PERIOD

Year	Percentage of Maximum Instream Structure Shoreline Coverage
0	100%
1	95%
5	90%
15	85%
25	80%
50	48%

Temporal change in the SAM variables Overhanging Shade and Aquatic Vegetation followed the same methods as described in the original NMFS BO, namely use of previous growth models for shade and vegetation in the 65% design condition only (NMFS 2015). Consistent with the original NMFS BO, existing conditions of shade and vegetation were assumed to stay constant for 50 years.

For Overhanging Shade, a botanist determined that the Contract 3A overstory planting designs were reasonably approximated by the Undulating Riparian Bench generalized overstory planting plan (USACE 2009, Table 3). Consequently, the Undulating Riparian Bench generalized overstory planting plan's shade evolution model (USACE 2009, Table 4f) was applied for the Contract 3A SAM analysis, as shown in **Table 2**.

TABLE 2
ESTIMATES OF GROWTH IN OVERHANGING SHADE OVER THE 50-YEAR SAM MODELING PERIOD

Year	Percentage of Maximum Planted Overhanging Shade Shoreline Coverage			
	Fall	Winter	Spring	Summer
0	0%	1%	2%	0%
1	0%	1%	4%	0%
5	0%	16%	49%	0%
15	100%	25%	75%	100%
25	100%	25%	75%	100%
50	100%	25%	75%	100%

For Aquatic Vegetation, temporal change followed the approach used in the original NMFS BO, as shown in **Table 3**.

TABLE 3
ESTIMATES OF GROWTH IN AQUATIC VEGETATION OVER THE 50-YEAR SAM MODELING PERIOD

Year	Percentage of Maximum Planted Aquatic Vegetation Shoreline Coverage			
	Fall	Winter	Spring	Summer
0	0%	0%	0%	0%
1	10%	25%	50%	50%
5	100%	100%	100%	100%
15	100%	100%	100%	100%
25	100%	100%	100%	100%
50	100%	100%	100%	100%

SAM Measurements

Tables 4 and 5 show the measured values of the SAM variables at existing and 65% design conditions for Contract 3A (Site 1-1). **Tables 6 and 7** show the values of the SAM variables in the format used for input to the SAM Electronic Calculation Tool (ECT) model.

TABLE 4
EXISTING CONDITION (2019, 2020) MEASUREMENTS OF THE SAM VARIABLES FOR SITE 1-1

	Site 1-1	
	S/F	W/S
Shoreline Length (ft.)	3,344	3,329
Bank Slope (run/rise)	2.38	2.17
Floodplain Area (sq. ft.)	--	610,735
Substrate Size (D_{50}, in.)	20	19
Instream Structure (ft.)	388	367
Aquatic Vegetation (ft.)	485	1,118
Overhanging Shade (ft.)	3,196	*801 / 2,403*

TABLE 5
65% DESIGN CONDITION MEASUREMENTS OF THE SAM VARIABLES FOR SITE 1-1

	Site 1-1	
	S/F	W/S
Shoreline Length (ft.)	3,462	3,374
Bank Slope (run/rise)	5.3	3.1
Floodplain Area (sq. ft.)	--	660,758
Substrate Size (D_{50}, in.)	9.90	0.01
Instream Structure (ft.)	1,752	1,694
Aquatic Vegetation (ft.)	2,100	2,205
Overhanging Shade (ft.)	2,321	*648 / 1,944*

TABLE 6
EXISTING CONDITION (2019, 2020) MODEL INPUT VALUES OF THE SAM VARIABLES FOR SITE 1-1

	Site 1-1	
	S/F	**W/S**
Shoreline Length (ft.)	3,344	3,329
Bank Slope (run/rise)	2.38	2.17
Floodplain Area ratio (AQ_2:AQ_{avg})	--	1.3
Substrate Size (D_{50}, in.)	20	19
Instream Structure coverage (%)	12%	11%
Aquatic Vegetation coverage (%)	15%	33%
Overhanging Shade coverage (%)	96%	*24% / 72%*

TABLE 7
65% DESIGN CONDITION MODEL INPUT VALUES OF THE SAM VARIABLES FOR SITE 1-1

	Site 1-1	
	S/F	**W/S**
Shoreline Length (ft.)	4,099	4,033
Bank Slope (run/rise)	5.3	8.3
Floodplain Area ratio (AQ_2:AQ_{avg})	1.00	1.25
Substrate Size (D_{50}, in.)	9.90	0.01
Instream Structure coverage (%)	51%	50%
Aquatic Vegetation coverage (%)	61%	65%
Overhanging Shade coverage (%)	67%	*19% / 58%*

SAM Results

As described in the original NMFS BO (NMFS 2015, pp. 25-26), SAM results are weighted relative response index (WRI) values that represent the difference between modeled fish response to existing (without-project) and designed (with-project) conditions. Negative WRI values indicate that existing conditions are better for fish and positive WRI values indicate that designed conditions are better for fish. Consistent with the original NMFS BO, WRI values are weighted by shoreline length. Results are presented as the sum of WRI values for Site 1-1.

WRI values do not directly represent actual lengths but NMFS has used WRI values in the 2015 BO as proxies to determine mitigation (NMFS 2015, p. 177), although the current NMFS approach also takes construction footprints into account (NMFS 2021, p. 40). Appropriate mitigation is typically determined by identifying the maximum negative WRI for critical life stages (NMFS 2015, p. 118). By mitigating for the maximum negative WRI, lesser impacts are expected to be appropriately mitigated (NMFS 2015, p. 181).

This analysis focuses primarily on the fry, juvenile rearing, and juvenile migration lifestages as these lifestages are the most common lifestages that may be found within the project area and are the lifestages which have the potential to show the greatest impacts using SAM analyses given their relatively strict habitat requirements. Although adult migration of fall-run Chinook salmon and steelhead is likely to occur in the area, this lifestage is

the least likely to be impacted by the project due to their temporary presence within the project area and have the least potential to show impacts using SAM analyses given their relatively lenient habitat requirements. Spawning and egg incubation, though possible for both species, is likely rare within the project area, given the lack of suitable spawning habitat within the general area for both species. Although these other lifestages are not focused on within the analysis, they have been included within the analysis for completeness.

The yearly WRI values are shown in **Figures 2-5** for any life stage that had any negative WRI values. Life stages with exclusively positive WRI values were not plotted, but are included in the summary of maximum WRI values (negative and positive) in **Table 8**. The maximum negative WRI for Spring-run Chinook salmon was -282. The maximum negative WRI for Winter-run Chinook salmon was -282. The maximum negative WRI for Fall-run Chinook salmon was -282. The maximum negative WRI for steelhead was -228. For the SAM-modeled 50-year period, WRI values were predominantly positive and the longest duration of a WRI deficit was 29 years. WRI values during the winter and spring seasons for all species' juvenile lifestages never show a deficit; habitat values are immediately improved upon completion of the project and continue to improve over time.

For fry and juvenile rearing of all runs of Chinook salmon, SAM predicts that it will take approximately 15 years after project initiation for the fall and summer habitat value to exceed existing conditions. Although habitat value decreases in the first year during construction, it is predicted to increase gradually after the first year, eventually reaching a higher habitat value than existing conditions.

For juvenile migration of all runs of Chinook salmon, the SAM model predicts that it will take approximately 8 years after project initiation for the fall and summer habitat values to exceed existing conditions. Like fry and juvenile rearing of Chinook salmon, initial habitat values decrease during the first year of construction, but gradually increase, providing higher habitat values than existing conditions in the future.

For fry and juvenile rearing of steelhead, SAM predicts that it will take approximately 12 years after project initiation for the fall and summer habitat value to exceed existing conditions. Steelhead WRIs follow those seen for Chinook salmon, with an initial decrease during project construction, followed by a gradual increase which eventually provides higher habitat value than existing conditions in the future.

For juvenile migration of steelhead, SAM predicts that it will take approximately 7 years after project initiation for the fall and summer habitat value to exceed existing conditions. However, as with all other species and lifestages, following this initial deficit, habitat values gradually increase, eventually exceeding existing condition values.

In conclusion, the SAM model predicts that fry and juvenile rearing and juvenile migration habitat values will be improved for Chinook salmon and steelhead compared to existing conditions. Although a deficit of summer and fall habitat values is predicted for the first 7–15 years after construction, depending on which life stage and species is being considered, habitat values over time exceed existing conditions for all species and lifestages.

TABLE 8
MAXIMUM SAM-MODELED WRI DEFICITS AND BENEFITS

Season	Life Stage	Maximum WRI Deficit (feet)	Deficit Duration (years)	Maximum WRI Benefit (feet)	Benefit Duration (years)
Spring-Run Chinook salmon					
Fall	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation [1]	na	na	na	na
	Fry & Juvenile Rearing	-160	15	152	35
	Juvenile Migration	-282	8	339	42
Winter	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	none	none	263	50
	Juvenile Migration	none	none	505	50
Spring	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	none	none	271	50
	Juvenile Migration	na	na	na	na
Summer	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	-160	14	152	36
	Juvenile Migration[2]	na	na	na	na
Winter-Run Chinook salmon					
Fall	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	-160	15	152	35
	Juvenile Migration	-282	8	339	42
Winter	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	0	0	263	50
	Juvenile Migration	0	0	505	50
Spring	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	0	0	271	50
	Juvenile Migration	0	0	509	50
Summer	Adult Migration[1]	na	na	na	na
	Spawning & Egg Incubation[1]	na	na	na	na
	Fry & Juvenile Rearing	-160	15	152	35
	Juvenile Migration[2]	na	na	na	na
Fall-Run Chinook salmon					
Fall	Adult Migration	-90	17	76	43
	Spawning & Egg Incubation	none	none	118	50
	Fry & Juvenile Rearing	-160	15	152	35
	Juvenile Migration[3]	na	na	na	na

TABLE 8
MAXIMUM SAM-MODELED WRI DEFICITS AND BENEFITS

Season	Life Stage	Maximum WRI Deficit (feet)	Deficit Duration (years)	Maximum WRI Benefit (feet)	Benefit Duration (years)
Winter	Adult Migration	-58	6	39	44
	Spawning & Egg Incubation	none	none	45	50
	Fry & Juvenile Rearing	none	none	263	50
	Juvenile Migration	na	na	na	na
Spring	Adult Migration[4]	na	na	na	na
	Spawning & Egg Incubation[4]	none	none	45	50
	Fry & Juvenile Rearing	none	none	271	50
	Juvenile Migration	none	none	509	50
Summer	Adult Migration[4]	na	na	na	na
	Spawning & Egg Incubation[4]	na	na	na	na
	Fry & Juvenile Rearing	na	na	na	na
	Juvenile Migration	-282	8	339	42
Steelhead					
Fall	Adult Migration	-228	29	49	21
	Spawning & Egg Incubation[5]	na	na	na	na
	Fry & Juvenile Rearing	-181	12	263	49
	Juvenile Migration[6]	na	na	na	na
	Adult Residence	-228	29	49	21
Winter	Adult Migration	-91	8	37	42
	Spawning & Egg Incubation	none	none	45	50
	Fry & Juvenile Rearing	none	none	340	50
	Juvenile Migration[6]	na	na	na	na
	Adult Residence	-91	8	37	42
Spring	Adult Migration	none	none	45	50
	Spawning & Egg Incubation	none	none	45	50
	Fry & Juvenile Rearing	none	none	350	50
	Juvenile Migration	none	none	346	50
	Adult Residence	none	none	45	50
Summer	Adult Migration[7]	na	na	na	na
	Spawning & Egg Incubation[7]	na	na	na	na
	Fry & Juvenile Rearing	-181	11	263	39
	Juvenile Migration	-202	7	295	43
	Adult Residence	-228	29	49	21

Table footnotes:

1. Not applicable, adult Spring- and Winter-run Chinook salmon are unlikely to occur in the American River.
2. Not applicable, emigrating juvenile Spring- and Winter-run Chinook salmon are unlikely to occur in the American River during summer months.
3. Not applicable, emigrating juvenile Fall-run Chinook salmon are unlikely to occur in the American River during fall months.
4. Not applicable, adult Fall-run Chinook salmon are unlikely to occur in the American River in spring or summer months.
5. Not applicable, steelhead spawning is unlikely to occur in the American River during fall months.
6. Not applicable, emigrating juvenile steelhead are unlikely to occur in the American River during fall or winter months.
7. Not applicable, adult steelhead are unlikely to occur in the American River during summer months.

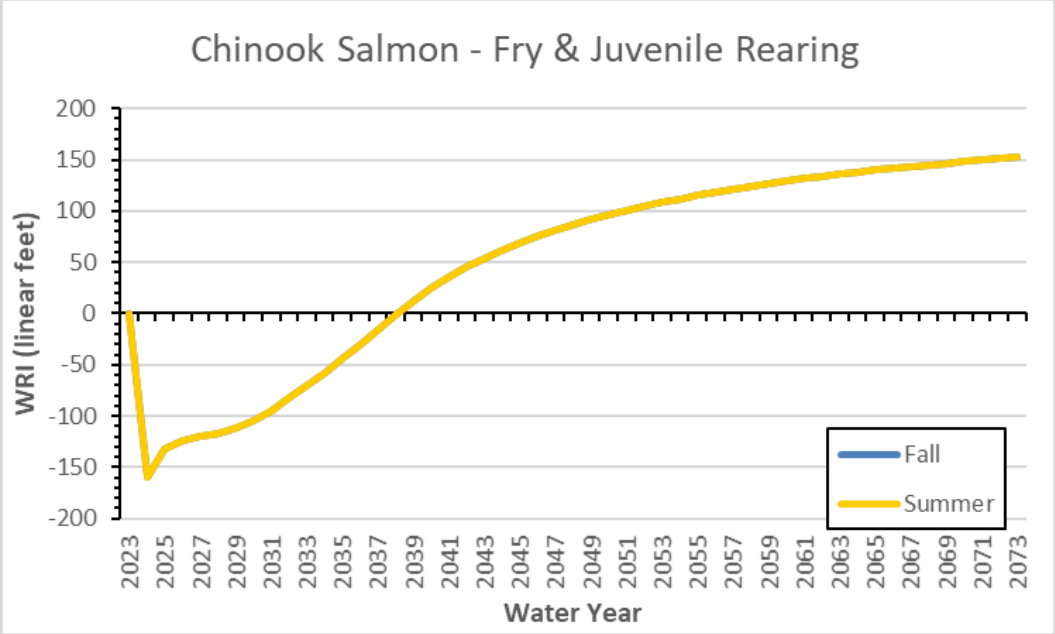

Figure 2
Yearly SAM-modeled WRI values for Chinook salmon rearing in each season. Values apply to any Chinook salmon ESU that occurs in the American River Contract 3A area (Summer and Fall are overlapping)

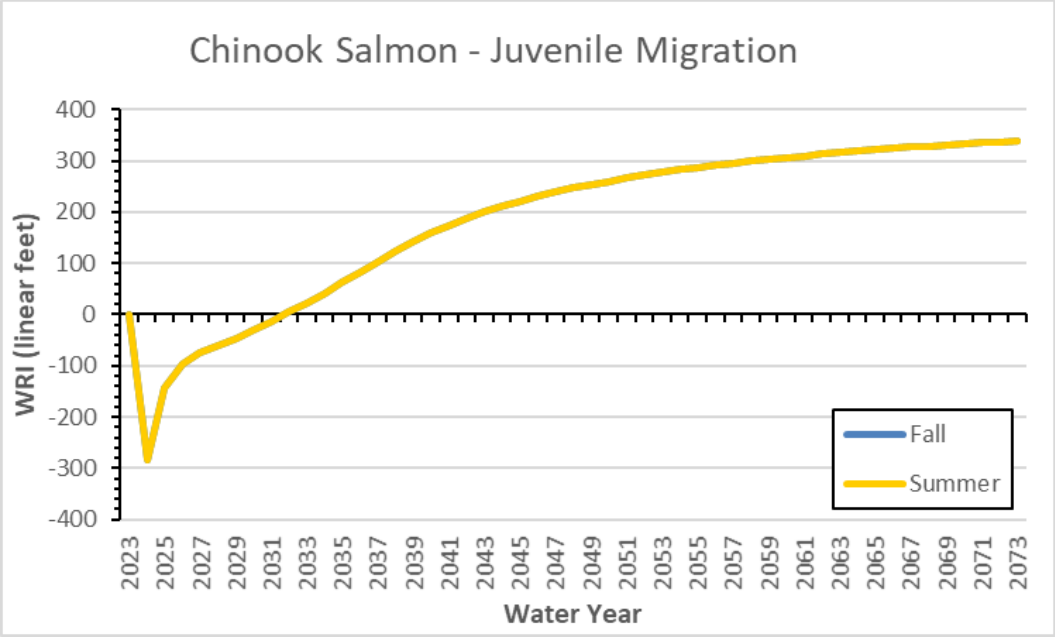

Figure 3
Yearly SAM-modeled WRI values for Chinook salmon juvenile migration in each season. Values apply to any Chinook salmon ESU that occurs in the American River Contract 3 area (Summer and Fall are overlapping)

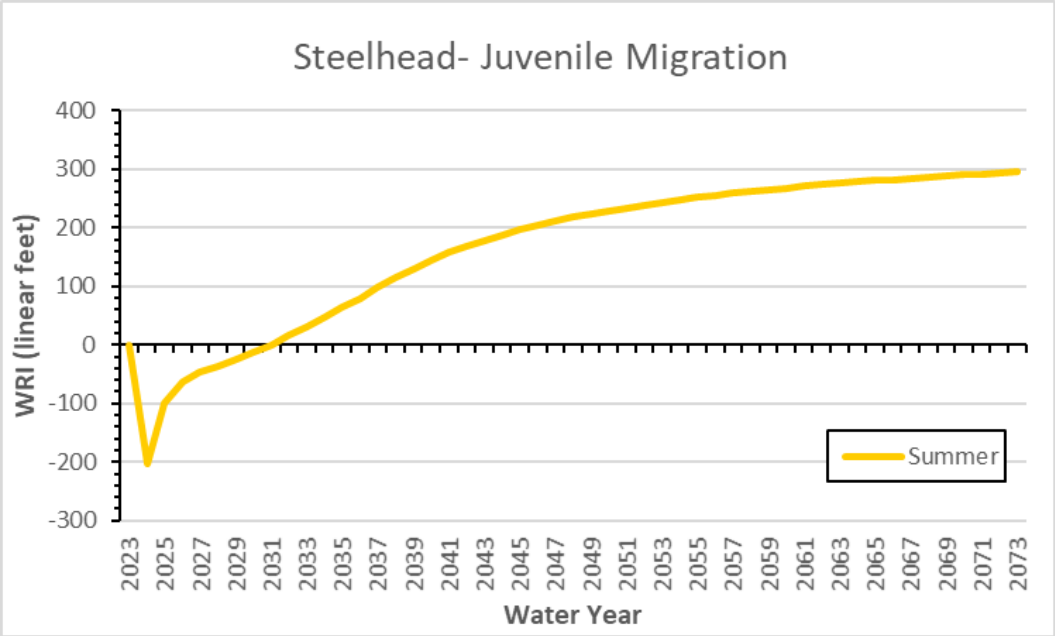

Figure 4
Yearly SAM-modeled WRI values for steelhead rearing in each season. Values apply to any steelhead ESU that occurs in the American River Contract 3A area (Summer and Fall are overlapping)

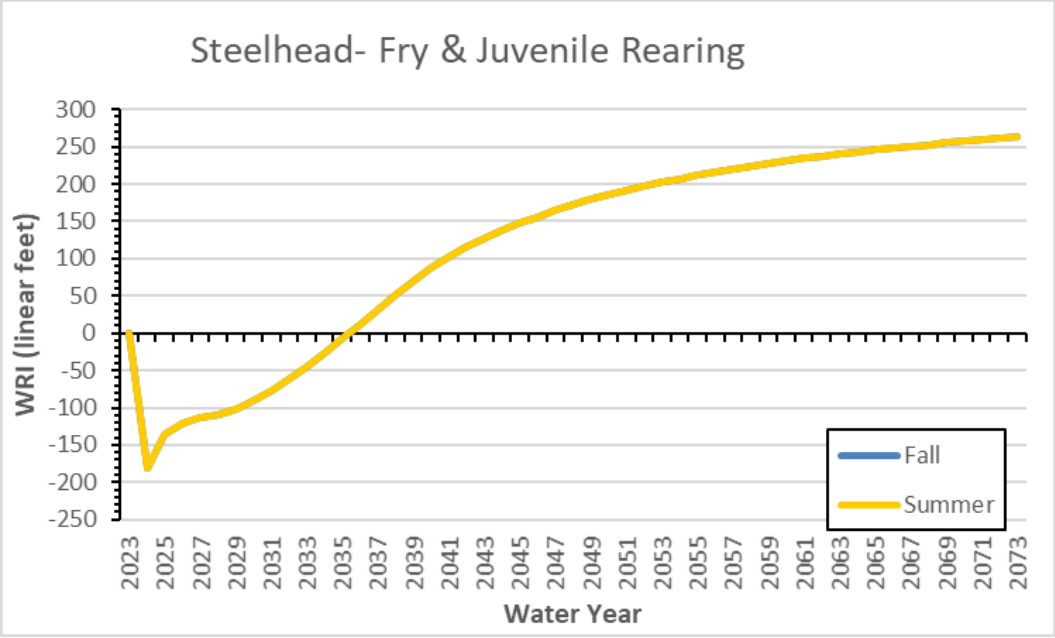

Figure 5
Yearly SAM-modeled WRI values for steelhead juvenile migration in each season. Values apply to any steelhead ESU that occurs in the American River Contract 3A rea

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Appendix D

Air Quality/Greenhouse Gas Emissions/Health Risk Assessment Modeling Data

Appendix D

- *Air Quality, GHG, and Energy Mass Emissions Calculations*
- *Health Risk Assessment Inputs and Outputs*
  - Scenario 1: Haul Route North
  - Scenario 2: Haul Route South

Air Quality, GHG, and Energy Mass Emissions Calculations

Month	2022-2023 Construction Season Forecast
	Site 1-1
Novermber	1. Tree removal and pruning (Preferable to do in November/December before migration period)
December	
January	
February	
March	No activity
April	
May	2. Site Preparation (Temporary BMPs, access roads, staging areas, and pedestrian trail reroutes) 3. Excavation 4. Bedding 5. Riprap installation 6. Soil-Filled Riprap 7. Planting Bench Soil 8. IWM achorages
June	
July	
August	
September	
October	
November	9. Install rock (Aggregate Base) 10. Fine grading
December	11. Planting; Monitoring/Maintenance
January	
February	
March	
April	
May	
June	
July	
August	
September	

Construction Schedule

Site 1-1							
Activity Number	Start Date	End Date	Total Days	Equipment Used	Material Moved (cy)	One-Mile Dump Truck Trips - 10 CY	Activity
1	11/1/2022	12/31/2022					Tree Removal
2	5/1/2023	10/31/2023					Site Preparation
3	5/1/2023	10/31/2023	12	2 excavator, 4 dump truck, 2 dose, 2 skid steer, 1 roller or grader, 5 pickup trucks	3500	29	Excavation
4	5/1/2023	10/31/2023	12	12 dump truck, 1 excavator, 1 doser, 3 skid steer, 3 sheepsfoot roller, 4 pickup truck	7520	63	Bedding
5	5/1/2023	10/31/2023	34	15 dump truck, 2 excavator, 1 doser, 2 skid steer, 1 grader, 1 55-ton crane, 4 pickup truck	23400	69	Riprap
6	5/1/2023	10/31/2023	14	9 dump truck, 1 excavator, 1 doser, 2 skid steer, 3 sheepsfoot roller, 4 pickup truck	10000	71	Soil-filled riprap
7	5/1/2023	10/31/2023	26	12 dump truck, 2 excavator, 1 doser, 2 skid steer, 3 pickup truck	21000	81	Planting bench fill
8	5/1/2023	10/31/2023	10	6 dump truck, 1 flatbed truck	160 trees	4	IWM anchorages
9	11/1/2023	11/31/2023	9	1 dump truck, 1 excavator, 1 doser, 1 skid steer, 1 flatbed truck, 2 pickup truck	4100	46	Aggregate base
10	11/1/2023	11/31/2023					Fine grading
11	12/1/2023	9/30/2024					Planting; Monitoring/Maintenance

Construction-Related Energy Consumption

Site 1-1

Heavy-Duty Equipment

Equipment Type	Total Usage Hours	HP	LF
Grader	257.4	187	0.41
Dozer	1178.1	247	0.4
Skid Steer Loader	2504.7	65	0.37
Excavator	1574.1	158	0.38
Rollers	455.4	80	0.38
Total			

Haul Truck Trips

Vehicle Type	Total VMT	Gallons of Diesel
Dump Trucks (10 CY)	61,900	10,555
Pick-Up Truck	7,072	189

Worker Commute Trips

Vehicle Type	Total VMT	Gallons of Gasoline
Mixed LDA/LDT	54,780	1,916

Site Total

Gallons of Diesel	Gallons of Gasoline
193,578	**1,916**

Average Daily Factor	Diesel Fuel Usage (Gallons)
0.6	11,841
0.6	69,838
0.6	36,143
0.6	56,705
0.6	8,306
	182,833

Maximum Daily Emissions (with Tier 4 Equipments)

Site 1-1

Date Range	Activity Number	ROG (lb/day)	CO (lb/day)	NOx (lb/day)	PM10 Exhaust (lb/day)	PM10 Fugitive (lb/day)	PM10 Total (lb/day)	PM2.5 Exhaust (lb/day)	PM2.5 Fugitive (lb/day)	PM2.5 Total (lb/day)
November-Feb	1	0.0233	0.19627	0.01507	0.00032	0.02804	0.02836	0.00029	0.00280	0.00310
May-October	6	4.1	19.8	175.5	0.2	46.5	46.7	1.1	4.6	5.7
November	10	0.0	0.00294	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Annual Total Emissions

Site 1-1 (2022 & 2023)

Year	ROG (tons/year)	CO (tons/year)	NOx (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	CO2 (MT/year)	CH4 (MT/year)	N2O (MT/year)	MTCO2e/year
2022	0.00322	0.02709	0.00208	0.00005	0.00004	6.38476	0.00025	0.00021	6
2023	0.2685	3.2218	9.7596	0.0755380	0.0657154	3,535.580	0.077345	0.481309	3,536

Site 1-1

Off-Road Equipment - Tier 4

Date Range	Activity Number	Equipment Type	Total Equipment Number		HP	LF	Hours/Day	Total Days	ROG (g/hp-hr)	ROG (lb/day)	ROG (tons/year)	CO (g/hp-hr)	CO (lb/day)	CO (tons/year)	NOX (g/hp-hr)	NOX (lb/day)	NOX (tons/year)	Exhaust PM10 (g/hp/hr)	Exhaust PM10 (lb/day)	Exhaust PM10 (tons/year)	Exhaust PM2.5 (g/hp-hr)	Exhaust PM2.5 (lb/day)	Exhaust PM2.5 (tons/year)	Fugitive Dust[1] PM10 (lb/day)	Fugitive Dust[1] PM10 (tons/year)	Fugitive Dust[1] PM2.5 (lb/day)	Fugitive Dust[1] PM2.5 (tons/year)	CO2 (g/hp-hr)	CO2 (lb/day)	CO2 (MT/year)	CH4 (g/hp-hr)	CH4 (lb/day)	CH4 (MT/year)	N2O (g/hp-hr)	N2O (lb/day)	N2O (MT/year)
May - October	3	Grader	0.9		187	0.41	11	12	0.15	0.25	0.00	2.60	4.35	0.03	0.30	0.50	0.00	0.02	0.03	0.00	0.01	0.02	0.00	3.06	0.00	0.31	0.00	474.239	793.5833	7.22827125	0.1534	0.256697	0.0013972	0.00427392	0.007152	3.893E-05
	3	Dozer	1.8		247	0.4	11	12	0.15	0.65	0.00	2.60	11.21	0.07	0.30	1.29	0.01	0.02	0.06	0.00	0.01	0.06	0.00	5.96	0.00	0.60	0.00	474.6166	2046.914	48.05106883	0.1535	0.662011	0.0036034	0.00427392	0.018432	0.0003003
	3	Skid Steer Loader	1.8		65	0.37	11	12	0.19	0.20	0.00	3.70	3.88	0.02	3.33	3.49	0.02	0.02	0.02	0.00	0.02	0.02	0.00	5.51	0.00	0.55	0.00	568.299	596.6117	3.409206388	0.029	0.030445	0.0001657	0.00427392	0.004487	2.442E-05
	3	Excavator	1.8		158	0.38	11	12	0.15	0.39	0.00	3.70	9.70	0.06	0.30	0.79	0.00	0.02	0.04	0.00	0.01	0.04	0.00	5.66	0.00	0.57	0.00	472.1917	1237.539	17.65415121	0.1527	0.400202	0.0021783	0.00427392	0.011201	6.097E-05
	4	Excavator	0.9		158	0.38	11	34	0.15	0.20	0.00	3.70	4.85	0.08	0.30	0.39	0.01	0.02	0.02	0.00	0.01	0.02	0.00	2.83	0.00	0.28	0.00	472.1917	618.7694	12.50499827	0.1527	0.200101	0.0030886	0.00427392	0.005601	8.637E-05
	4	Dozer	0.9		247	0.4	11	34	0.15	0.32	0.01	2.60	5.61	0.10	0.30	0.65	0.01	0.02	0.03	0.00	0.01	0.03	0.00	2.98	0.00	0.30	0.00	474.6166	1023.457	34.03617381	0.1535	0.331005	0.0051048	0.00427392	0.009216	0.0003421
	4	Skid Steer Loader	2.7		65	0.37	11	34	0.19	0.29	0.01	3.70	5.83	0.10	3.33	5.24	0.09	0.02	0.03	0.00	0.02	0.03	0.00	8.27	0.00	0.83	0.00	472.1917	743.5745	18.05822	0.1527	0.240461	0.0037084	0.00427392	0.00673	0.0003038
	4	Rollers	0.9		80	0.38	11	34	0.15	0.10	0.00	3.70	2.45	0.04	0.30	0.20	0.00	0.02	0.01	0.00	0.01	0.01	0.00	2.83	0.00	0.28	0.00	472.1917	313.303	3.205890648	0.1527	0.101317	0.0015625	0.00427392	0.002836	4.373E-05
	5	Excavator	1.8		158	0.38	11	14	0.15	0.39	0.00	3.70	9.70	0.07	0.30	0.79	0.01	0.02	0.04	0.00	0.01	0.04	0.00	5.66	0.00	0.57	0.00	472.1917	1237.539	20.59646774	0.1527	0.400202	0.0025414	0.00427392	0.011201	7.113E-05
	5	Dozer	0.9		247	0.4	11	14	0.15	0.32	0.00	2.60	5.61	0.04	0.30	0.65	0.00	0.02	0.03	0.00	0.01	0.03	0.00	2.98	0.00	0.30	0.00	472.1917	1018.228	13.94329053	0.1527	0.32928	0.002091	0.00427392	0.009216	5.853E-05
	5	Skid Steer Loader	2.7		65	0.37	11	14	0.19	0.29	0.00	3.70	5.83	0.04	3.33	5.24	0.04	0.02	0.03	0.00	0.02	0.03	0.00	8.27	0.00	0.83	0.00	472.1917	743.5745	7.435737649	0.1527	0.240461	0.001527	0.00427392	0.00673	4.274E-05
	5	Grader	0.9		187	0.41	11	14	0.15	0.25	0.00	2.60	4.35	0.03	0.30	0.50	0.00	0.02	0.03	0.00	0.01	0.02	0.00	3.06	0.00	0.31	0.00	472.1917	790.1574	8.396577755	0.1527	0.255526	0.0016227	0.00427392	0.007152	4.542E-05
	6	Excavator	0.9		158	0.38	11	12	0.15	0.20	0.00	3.70	4.85	0.03	0.30	0.39	0.00	0.02	0.02	0.00	0.01	0.02	0.00	2.83	0.00	0.28	0.00	472.1917	618.7694	4.413528802	0.1527	0.200101	0.0010892	0.00427392	0.005601	3.048E-05
	6	Dozer	0.9		247	0.4	11	12	0.15	0.32	0.00	2.60	5.61	0.03	0.30	0.65	0.00	0.02	0.03	0.00	0.01	0.03	0.00	2.98	0.00	0.30	0.00	472.1917	1018.228	11.95139188	0.1527	0.32928	0.0017923	0.00427392	0.009216	5.016E-05
	6	Skid Steer Loader	1.8		65	0.37	11	12	0.19	0.20	0.00	3.70	3.88	0.02	3.33	3.49	0.02	0.02	0.02	0.00	0.02	0.02	0.00	5.51	0.00	0.55	0.00	472.1917	495.7161	2.832661961	0.1527	0.160308	0.0008726	0.00427392	0.004487	2.442E-05
	6	Rollers	0.9		80	0.38	11	12	0.15	0.10	0.00	3.70	2.45	0.01	0.30	0.20	0.00	0.02	0.01	0.00	0.01	0.01	0.00	2.83	0.00	0.28	0.00	472.1917	313.303	1.131492723	0.1527	0.101317	0.0005515	0.00427392	0.002836	1.544E-05
	7	Excavator	1.8		158	0.38	11	26	0.15	0.39	0.01	3.70	9.70	0.13	0.30	0.79	0.01	0.02	0.04	0.00	0.01	0.04	0.00	5.66	0.00	0.57	0.00	472.1917	1237.539	38.25058295	0.1527	0.400202	0.0047197	0.00427392	0.011201	0.0001121
	7	Dozer	0.9		247	0.4	11	26	0.15	0.32	0.00	2.60	5.61	0.07	0.30	0.65	0.01	0.02	0.03	0.00	0.01	0.03	0.00	2.98	0.00	0.30	0.00	472.1917	1018.228	25.89468242	0.1527	0.32928	0.0038833	0.00427392	0.009216	0.0001087
	7	Skid Steer Loader	1.8		65	0.37	11	26	0.19	0.20	0.00	3.70	3.88	0.05	3.33	3.49	0.05	0.02	0.02	0.00	0.02	0.02	0.00	5.51	0.00	0.55	0.00	472.1917	495.7161	6.13743425	0.1527	0.160308	0.0018906	0.00427392	0.004487	5.292E-05
November	9	Excavator	0.9		158	0.38	11	9	0.15	0.20	0.00	3.70	4.85	0.02	0.30	0.39	0.00	0.02	0.02	0.00	0.01	0.02	0.00	2.83	0.00	0.28	0.00	472.1917	618.7694	3.310146601	0.1527	0.200101	0.0008169	0.00427392	0.005601	2.286E-05
	9	Dozer	0.9		247	0.4	11	9	0.15	0.32	0.00	2.60	5.61	0.03	0.30	0.65	0.00	0.02	0.03	0.00	0.01	0.03	0.00	2.98	0.00	0.30	0.00	472.1917	1018.228	8.963541913	0.1527	0.32928	0.0013442	0.00427392	0.009216	3.762E-05
	9	Skid Steer Loader	0.9		65	0.37	11	9	0.19	0.10	0.00	3.70	1.94	0.01	3.33	1.75	0.01	0.02	0.01	0.00	0.02	0.01	0.00	2.76	0.00	0.28	0.00	472.1917	247.8582	0.551124118	0.1527	0.080154	0.0003272	0.00427392	0.002245	9.158E-06
											0.05			1.08			0.30			0.01			0.00			0.00			297.94			0.05		0.00

Off-Road Equipment - Non Tier 4

Date Range	Activity Number	Equipment Type	Equipment Number		HP	LF	Hours/Day	Total Days	ROG (g/hp-hr)	ROG (lb/day)	ROG (tons/year)	CO (g/hp-hr)	CO (lb/day)	CO (tons/year)	NOX (g/hp-hr)	NOX (lb/day)	NOX (tons/year)	Exhaust PM10 (g/hp-hr)	Exhaust PM10 (lb/day)	Exhaust PM10 (tons/year)	Exhaust PM2.5 (g/hp-hr)	Exhaust PM2.5 (lb/day)	Exhaust PM2.5 (tons/year)	Fugitive Dust[1] PM10 (lb/day)	Fugitive Dust[1] PM10 (tons/year)	Fugitive Dust[1] PM2.5 (lb/day)	Fugitive Dust[1] PM2.5 (tons/year)	CO2 (g/hp-hr)	CO2 (lb/day)	CO2 (MT/year)	CH4 (g/hp-hr)	CH4 (lb/day)	CH4 (MT/year)	N2O (g/hp-hr)	N2O (lb/day)	N2O (MT/year)
May - October	3	Grader	0.10		187	0.41	11	12	0.3069	0.06	0.00	1.27327	0.236740886	0.001420444	3.8881	0.722919914	0.004337515	0.1237	0.022999715	0.000138	0.1138	0.021158994	0.00012695	0.34	0.00	0.03	0.00	474.239	88.17593	0.479950735	0.1534	0.028522	0.0001552	0.00427392	0.000795	4.325E-06
	3	Dozer	0.20		247	0.4	11	12	0.480	0.23	0.00	2.058	0.985052066	0.005910306	5.046	2.418258904	0.014509537	0.240	0.114767721	0.00068861	0.220	0.105615055	0.00063369	0.66	0.00	0.07	0.00	474.6166	227.4349	1.237955197	0.1535	0.073557	0.0004004	0.00427392	0.002048	1.115E-05
	3	Skid Steer Loader	0.20		65	0.37	11	12	0.164	0.02	0.00	3.270	0.381477797	0.002288864	2.189	0.255365241	0.00153219	0.081	0.00949504	5.697E-05	0.075	0.008725172	5.235E-05	0.61	0.00	0.06	0.00	568.299	66.29019	0.360824401	0.029	0.003383	1.841E-05	0.00427392	0.000499	2.714E-06
	3	Excavator	0.20		158	0.38	11	12	0.191	0.06	0.00	3.074	0.895162419	0.005370969	1.678	0.488670135	0.002932018	0.081	0.023616679	0.0001417	0.075	0.021723851	0.00013034	0.63	0.00	0.06	0.00	472.1917	137.5043	0.748450287	0.1527	0.044467	0.000242	0.00427392	0.001245	6.774E-06
	4	Excavator	0.10		158	0.38	11	34	0.191	0.03	0.00	3.074	0.44758121	0.007608872	1.678	0.244335077	0.004153692	0.081	0.01180834	0.00020074	0.075	0.010861925	0.00018465	0.31	0.00	0.03	0.00	472.1917	68.75216	1.060304574	0.1527	0.022233	0.0003429	0.00427392	0.000622	9.597E-06
	4	Dozer	0.10		247	0.4	11	34	0.480	0.12	0.00	2.058	0.492526033	0.008372931	5.046	1.209129452	0.020555178	0.240	0.05738386	0.00097552	0.220	0.052807527	0.00089775	0.33	0.00	0.03	0.00	474.6166	113.7175	1.753765291	0.1535	0.036778	0.0005672	0.00427392	0.001024	1.579E-05
	4	Skid Steer Loader	0.30		65	0.37	11	34	0.164	0.03	0.00	3.270	0.572216695	0.009727673	2.189	0.381047861	0.006513806	0.081	0.011424559	0.00024212	0.075	0.010387757	0.00022249	0.92	0.00	0.09	0.00	472.1917	82.61939	1.274668805	0.1527	0.026718	0.000412	0.00427392	0.000748	1.153E-05
	4	Rollers	0.10		80	0.38	11	34	0.310	0.02	0.00	3.470	0.255797658	0.004348555	3.219	0.237310231	0.004034269	0.186	0.01367555	0.00023248	0.171	0.012584455	0.00021394	0.31	0.00	0.03	0.00	472.1917	34.81122	0.536863075	0.1527	0.011257	0.0001736	0.00427392	0.000315	4.859E-06
	5	Excavator	0.20		158	0.38	11	14	0.191	0.06	0.00	3.074	0.895162419	0.00626613	1.678	0.488670135	0.003420687	0.081	0.023616679	0.00016512	0.075	0.021723851	0.00015207	0.63	0.00	0.06	0.00	472.1917	137.5043	0.873192002	0.1527	0.044467	0.0002824	0.00427392	0.001245	7.903E-06
	5	Dozer	0.10		247	0.4	11	14	0.480	0.12	0.00	2.058	0.492526033	0.003447678	5.046	1.209129452	0.008463897	0.240	0.05738386	0.00040169	0.220	0.052807527	0.00036965	0.33	0.00	0.03	0.00	472.1917	113.1365	0.718449115	0.1527	0.036587	0.0002323	0.00427392	0.001024	6.503E-06
	5	Skid Steer Loader	0.30		65	0.37	11	14	0.1641	0.03	0.00	3.27037	0.572216695	0.004005512	2.18922	0.383047861	0.002681332	0.0814	0.011424559	9.969E-05	0.0748	0.010387757	9.161E-05	0.92	0.00	0.09	0.00	472.1917	82.61939	0.52465692	0.1527	0.026718	0.0001697	0.00427392	0.000748	4.749E-06
	6	Grader	0.10		187	0.41	11	14	0.3069	0.06	0.00	1.27327	0.236740886	0.001657184	3.8881	0.722919914	0.005060434	0.1237	0.022999715	0.000161	0.1138	0.021158994	0.00014811	0.34	0.00	0.03	0.00	472.1917	87.79527	0.557525234	0.1527	0.028392	0.0001803	0.00427392	0.000795	5.046E-06
	6	Excavator	0.10		158	0.38	11	12	0.1912	0.03	0.00	3.074	0.44758121	0.002685484	1.6781	0.244335077	0.001466009	0.0811	0.01180834	7.085E-05	0.0746	0.010861925	6.517E-05	0.31	0.00	0.03	0.00	472.1917	68.75216	0.374225144	0.1527	0.022233	0.000121	0.00427392	0.000622	3.387E-06
	6	Dozer	0.10		247	0.4	11	12	0.4804	0.12	0.00	2.05563	0.492526033	0.002955153	5.04648	1.209129452	0.007254769	0.2395	0.05738386	0.0003443	0.2204	0.052807527	0.00031684	0.33	0.00	0.03	0.00	472.1917	113.1365	0.615815527	0.1527	0.036587	0.0001991	0.00427392	0.001024	5.574E-06
	6	Skid Steer Loader	0.20		65	0.37	11	12	0.1641	0.02	0.00	3.27037	0.381477797	0.002288864	2.18922	0.253365241	0.00153219	0.0814	0.00949504	5.697E-05	0.0748	0.008725172	5.235E-05	0.61	0.00	0.06	0.00	472.1917	55.07959	0.299803954	0.1527	0.017812	9.69E-05	0.00427392	0.000499	2.714E-06
	6	Rollers	0.10		80	0.38	11	12	0.3101	0.02	0.00	3.46973	0.255797658	0.001534784	3.21896	0.237310231	0.00142386	0.1855	0.01367555	8.2053E-05	0.1707	0.012584455	7.550E-05	0.31	0.00	0.03	0.00	472.1917	34.81122	0.188481085	0.1527	0.011257	6.128E-05	0.00427392	0.000315	1.715E-06
	7	Excavator	0.20		158	0.38	11	26	0.1912	0.06	0.00	3.074	0.895162419	0.011637099	1.6781	0.488670155	0.006352705	0.0811	0.023616679	0.00030702	0.0746	0.021723851	0.00028241	0.63	0.00	0.06	0.00	472.1917	137.5043	1.621642289	0.1527	0.044467	0.0005244	0.00427392	0.001245	1.468E-05
	7	Dozer	0.10		247	0.4	11	26	0.4804	0.12	0.00	2.05563	0.492526033	0.006402831	5.04648	1.209129452	0.015718666	0.2395	0.05738386	0.00074599	0.2204	0.052807527	0.0006865	0.33	0.00	0.03	0.00	472.1917	113.1365	1.334262643	0.1527	0.036587	0.0004315	0.00427392	0.001024	1.208E-05
	7	Skid Steer Loader	0.20		65	0.37	11	26	0.1641	0.02	0.00	3.27037	0.381477797	0.004959206	2.18922	0.253365241	0.003319744	0.0814	0.00949504	0.00012344	0.0748	0.008725172	0.00011348	0.61	0.00	0.06	0.00	472.1917	55.07959	0.649575234	0.1527	0.017812	0.0002301	0.00427392	0.000499	5.879E-06
	9	Excavator	0.10		158	0.38	11	9	0.1912	0.03	0.00	3.074	0.44758121	0.002014113	1.6781	0.244335077	0.001099507	0.0811	0.01180834	5.3137E-05	0.0746	0.010861925	4.8879E-05	0.31	0.00	0.03	0.00	472.1917	68.75216	0.280668858	0.1527	0.022233	9.076E-05	0.00427392	0.000622	2.54E-06
	9	Dozer	0.10		247	0.4	11	9	0.4804	0.12	0.00	2.05563	0.492526033	0.002216365	5.04648	1.209129452	0.005441077	0.2395	0.05738386	0.00025823	0.2204	0.052807527	0.00023763	0.33	0.00	0.03	0.00	472.1917	113.1365	0.461860146	0.1527	0.036587	0.0001493	0.00427392	0.001024	4.18E-06
	9	Skid Steer Loader	0.10		65	0.37	11	9	0.1641	0.01	0.00	3.27037	0.190738898	0.000858324	2.18922	0.12768262	0.000574571	0.0814	0.00474752	2.1364E-05	0.0748	0.004362586	1.963E-05	0.31	0.00	0.03	0.00	472.1917	27.5398	0.112426483	0.1527	0.008906	3.636E-05	0.00427392	0.000249	1.018E-06
											0.01			0.10			0.12			0.01			0.01			0.00			16.07			0.01		0.00

Aggregate Storage Pile Fugitive Dust

Date Range	Material Type	Total Quantity	Unit	Total Days	Daily Quantity	Unit	PM10 (lb/day)	PM10 (tons/year)	PM2.5 (lb/day)	PM2.5 (tons/year)
May-October	Soil and rock	97,328	tons	117	832	tons	0.699223976	0.040904628	0.069922398	0.004090463

On-Road Hauling

Date Range	Material Movement	Equipment Type	Amount to Haul (CY)	Total Hauling Days	Number of Truck Trips/Day	Number of Truck Trips/Hour	Trip Length Roundtrip (mi)	Total Daily VMT	Total Annual VMT	ROG (lb/day)	ROG (tons/year)	NOX (lb/day)	NOX (tons/year)	Exhaust PM10 (lb/day)	Exhaust PM10 (tons/year)	Exhaust PM2.5 (lb/day)	Exhaust PM2.5 (tons/year)	Fugitive Dust[1] PM10 (lb/day)	Fugitive Dust[1] PM10 (tons/year)	Fugitive Dust[1] PM2.5 (lb/day)	Fugitive Dust[1] PM2.5 (tons/year)	CO (lb/day)	CO (tons/year)	CO2 (MT/year)	CH4 (MT/year)	N2O (MT/year)
May-October	Export-1	Dump Trucks (10 CY)	3500	12	30	3	30	900	10,800	0.17	0.00	9.36	0.06	0.05	0.00	0.05	0.00	1.60	0.000	0.16	0.00	1.41	0.00	18.75	0.00	0.00
	Export-1	Pick-Up Truck		12	1	0	20	20	240	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.42	0.00	0.00
	Import-4	Dump Trucks (10 CY)	7200	12	63	6	150	9,375	112,500	1.73	0.01	97.47	0.58	0.56	0.00	0.54	0.00	16.69	0.00	1.67	0.00	14.66	0.09	195.26	0.00	0.03
	Import-4	Pick-Up Truck		12	1	0	20	20	240	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.42	0.00	0.00
	Import-5	Dump Trucks (10 CY)	23400	34	79	7	150	11,912	405,000	2.20	0.04	123.84	2.11	0.71	0.01	0.68	0.01	21.21	0.00	2.12	0.00	18.62	0.32	702.95	0.00	0.11
	Import-5	Pick-Up Truck		34	1	0	20	20	680	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	1.18	0.00	0.00
	Import-6	Dump Trucks (10 CY)	10000	14	107	10	150	16,071	225,000	2.96	0.02	167.09	1.17	0.96	0.01	0.92	0.01	28.62	0.00	2.86	0.00	25.13	0.18	390.53	0.00	0.06
	Import-6	Pick-Up Truck		14	1	0	20	20	280	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.49	0.00	0.00
	Import-7	Dump Trucks (10 CY)	21000	26	80	7	150	12,058	313,500	2.22	0.03	125.36	1.63	0.72	0.01	0.69	0.01	21.47	0.00	2.15	0.00	18.85	0.25	544.14	0.00	0.09
		Water Truck - Dump Truck		80	1	0	20	20	1,600	0.00	0.00	0.21	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	2.78	0.00	0.00
November	Import-7	Pick-Up Truck		26	1	0	20	20	520	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.90	0.00	0.00
	Import-8	Dump Trucks (10 CY)		10	4	0	200	800	8,000	0.15	0.00	8.32	0.04	0.05	0.00	0.05	0.00	1.42	0.00	0.14	0.00	1.25	0.01	13.89	0.00	0.00
	Import-8	Flatbed Truck		10	4	0	200	800	8,000	0.15	0.00	8.32	0.04	0.05	0.00	0.05	0.00	1.42	0.00	0.14	0.00	1.25	0.01	13.89	0.00	0.00
	Import-9	Dump Trucks (10 CY)	2,050	9	25	2	150	3,792	34,125	0.70	0.00	39.42	0.18	0.23	0.00	0.22	0.00	6.75	0.000	0.68	0.00	5.93	0.03	59.23	0.00	0.01
	Import-9	Pick-Up Truck		9	1	0	20	20	180	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.04	0.000	0.00	0.00	0.03	0.00	0.31	0.00	0.00
	Import-9	Flatbed Truck	2,050	9	25	2	150	3,792	34,125	0.70	0.00	39.42	0.18	0.23	0.00	0.22	0.00	6.75	0.000	0.68	0.00	5.93	0.03	59.23	0.00	0.01
											0.11		6.00		0.03		0.03		0.00		0.00		0.90	2,004.36	0.00	0.32

Off-Road Hauling

Date Range	Activity Number	Truck Size	Equipment Type	Total Equipment Number	Off-Road Daily VMT	Total Days	Annual VMT	ROG (lb/day)	ROG (tons/year)	NOX (lb/day)	NOX (tons/year)	Exhaust PM10 (lb/day)	Exhaust PM10 (tons/year)	Exhaust PM2.5 (lb/day)	Exhaust PM2.5 (tons/year)	Fugitive Dust[1] PM10 (lb/day)	Fugitive Dust[1] PM10 (tons/year)	Fugitive Dust[1] PM2.5 (lb/day)	Fugitive Dust[1] PM2.5 (tons/year)	CO (lb/day)	CO (tons/year)	CO2 (MT/year)	CH4 (MT/year)	N2O (MT/year)
May-October	3	Dump Trucks (10 CY)	Dump Truck	4	29	12	350	0.01	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.04	0.00	0.05	0.00	0.61	0.00	0.00
	3	Pick-Up Truck	Pick-Up Truck	5	29	12	350	0.0053767	0.0000323	0.303240	0.001819	0.001745	0.000010	0.000107	0.000001	0.40	0.000003	0.039809	0.000000	0.045601	0.000274	0.607491	0.000001	0.000095
	4	Dump Trucks (10 CY)	Dump Truck	12	63	12	752	0.0115523	0.0000693	0.651534	0.003909	0.003749	0.000022	0.000387	0.000022	0.86	0.00	0.085532	0.000000	0.097976	0.000588	1.305237	0.000003	0.000205
	4	Pick-Up Truck	Pick-Up Truck	4	63	12	752	0.0115523	0.0000693	0.651534	0.003909	0.003749	0.000022	0.000230	0.000001	0.86	0.00	0.085532	0.000000	0.097976	0.000588	1.305237	0.000003	0.000205
	5	Dump Trucks (10 CY)	Dump Truck	15	69	34	2,340	0.0126873	0.0002157	0.715545	0.012164	0.004118	0.000070	0.003940	0.000067	0.94	0.00	0.093935	0.000000	0.107602	0.001829	4.061510	0.000039	0.000638
	5	Pick-Up Truck	Pick-Up Truck	4	69	34	2,340	0.0126873	0.0002157	0.715545	0.012164	0.004118	0.000070	0.000253	0.000004	0.94	0.00	0.093935	0.000000	0.107602	0.001829	4.061510	0.000039	0.000638
	6	Dump Trucks (10 CY)	Dump Truck	9	71	14	1,000	0.0131675	0.0000922	0.742630	0.005198	0.004274	0.000030	0.004089	0.000029	0.97	0.00	0.097491	0.000000	0.111675	0.000782	1.735688	0.000004	0.000273
	6	Pick-Up Truck	Pick-Up Truck	4	71	14	1,000	0.0131675	0.0000922	0.742630	0.005198	0.004274	0.000030	0.000262	0.000002	0.97	0.00	0.097491	0.000000	0.111675	0.000782	1.735688	0.000004	0.000273
	7	Dump Trucks (10 CY)	Dump Truck	12	81	26	2,100	0.0148894	0.0001936	0.839743	0.010917	0.004832	0.000063	0.004623	0.000060	1.10	0.00	0.110239	0.000000	0.126279	0.001642	3.644945	0.000008	0.000573
	7	Pick-Up Truck	Pick-Up Truck	3	81	26	2,100	0.0148894	0.0001936	0.839743	0.010917	0.004832	0.000063	0.000297	0.000004	1.10	0.00	0.110239	0.000000	0.126279	0.001642	3.644945	0.000008	0.000573
	8	Dump Trucks (10 CY)	Dump Truck	6	4	10	40	0.0007374	0.0000037	0.041587	0.000208	0.000239	0.000001	0.000229	0.000001	0.05	0.00	0.005459	0.000000	0.006254	0.000031	0.069428	0.000000	0.000011
	8	Flatbed Truck	Pick-Up Truck	1	4	10	40	0.0007374	0.0000037	0.041587	0.000208	0.000239	0.000001	0.000229	0.000001	0.05	0.00	0.005459	0.000000	0.006254	0.000031	0.069428	0.000000	0.000011
	9	Dump Trucks (10 CY)	Dump Truck	1	46	9	410	0.0083980	0.0000378	0.4736327	0.0021313	0.002726	0.000012	0.002608	0.000012	0.62	0.000001	0.062177	0.000000	0.071224	0.000321	0.711632	0.000002	0.000112
	9	Pick-Up Truck	Pick-Up Truck	2	46	9	410	0.0083980	0.0000378	0.4736327	0.0021313	0.002726	0.000012	0.000167	0.000001	0.62	0.000001	0.062177	0.000000	0.071224	0.000321	0.711632	0.000002	0.000112
	9	Flatbed Truck	Flatbed Truck	1	46	9	410	0.0083980	0.0000378	0.4736327	0.0021313	0.002726	0.000012	0.002608	0.000012	0.62	0.000001	0.062177	0.000000	0.071224	0.000321	0.711632	0.000002	0.000112
									0.00		0.07		0.00		0.00		0.00		0.00		0.01	24.98	0.00	0.00

Worker Commute

Date Range	Activity Number	Number of Workers/Day	Average Trip Length (one way)	Number of Work Days	Daily VMT	Annual VMT	ROG (lb/day)	ROG (tons/year)	NOX (lb/day)	NOX (tons/year)	Exhaust PM10 (lb/day)	Exhaust PM10 (tons/year)	Exhaust PM2.5 (lb/day)	Exhaust PM2.5 (tons/year)	Fugitive Dust[1] PM10 (lb/day)	Fugitive Dust[1] PM10 (tons/year)	Fugitive Dust[1] PM2.5 (lb/day)	Fugitive Dust[1] PM2.5 (tons/year)	CO (lb/day)	CO (tons/year)	CO2 (MT/year)	CH4 (MT/year)	N2O (MT/year)
November - February	1	4	10	92	80	7360	0.02330672	0.001072109	0.015073009	0.000693358	0.00031917	1.4682E-05	0.0002939	1.35194E-05	0.028044135	2.84403E-06	0.002804413	2.844E-07	0.196271183	0.00902847	2.12825224	8.2872E-05	6.8537E-05
May-October	2	4	10	4	80		0.02330672	0	0.015073009	0	0.00031917	0	0.0002939	0	0.028044135	0	0.002804413	0	0.196271183	0	0	0	0
	3	16	10	12	320	3840	0.093226827	0.000559361	0.060292036	0.000361752	0.001276678	7.66015E-06	0.001175599	7.05359E-06	0.112176538	1.48384E-06	0.011217654	1.4838E-07	0.785084733	0.00471053	1.11039247	4.3237SE-05	3.5758E-05
	4	24	10	34	480	16320	0.1398403	0.002377285	0.090438053	0.001537447	0.001915019	3.2555E-05	0.001763399	2.9977BE-05	0.168264808	6.30633E-06	0.016826481	6.3063E-07	1.1776271	0.02001966	4.71916801	0.00018376	0.00015197
	5	25	10	14	500	7000	0.14566698	0.001019669	0.094205306	0.000659444	0.001994811	1.3964E-05	0.001836874	1.28581E-05	0.175275841	2.70492E-06	0.017527584	2.7049E-07	1.226694836	0.00858586	2.02415294	7.8818E-05	6.5185E-05
	6	20	10	12	400	4800	0.11653358	0.000699201	0.075365045	0.00045219	0.001595849	9.5751E-06	0.001469499	8.8169E-06	0.140220673	1.854BE-06	0.014022067	1.854BE-07	0.981355917	0.00588814	1.38799059	5.40469E-05	4.4698E-05
	7	20	10	26	400	10400	0.11653358	0.001514937	0.075365045	0.000979746	0.001595849	2.0748E-05	0.001469499	1.91035E-05	0.140220673	4.01874E-06	0.014022067	4.0187E-07	0.981355917	0.01275768	3.00731295	0.00011710	9.6846E-05
	8	7	10	10	140	1400	0.04078675	0.000203934	0.026377766	0.000131889	0.000558547	2.7927E-06	0.000514325	2.5716E-06	0.049077236	5.4088E-07	0.004907724	5.4088E-08	0.343474571	0.00171737	0.40483059	1.5763TE-05	1.3037E-05
	9	7	10	9	140	1260	0.040786675	0.00018354	0.026377766	0.0001187	0.000558547	2.5135E-06	0.000514325	2.31446E-06	0.049077236	4.86885E-07	0.004907724	4.8689E-08	0.343474571	0.00154564	0.36434753	1.4187SE-05	1.1733E-05
	10	4	10	36	80	2400	0.02330672	0.000349611	0.015073009	0.000226095	0.00031917	4.785E-06	0.0002939	4.408SE-06	0.028044135	9.27401E-07	0.002804413	9.274E-08	0.196271183	0.00294407	0.69399531	2.7023SE-05	2.2349E-05
								0.01		0.00		0.00		0.00		0.00		0.00		0.06	13.71	0.00	0.00

[1]Fugitive Dust PM2.5 was calculated based on a 0.1 ratio of PM2.5/PM10 as indicated in EPA 2006 AP-42 Background Document for Revisions to Fine Fraction Ratios used for AP-42 Fugitive Dust Emission Factors

Assumptions/Conversions
10 hours per equipment per day
Average trip length for workers estimated from CalEEMod

Unit		Source
453.59	g/lb	google.com
907185	g/ton	google.com
1000000	g/MT	

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SACRAMENTO
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

					mi/day		ton/day																						
Region	Calendar Y	Vehicle Category	Model Yea	Speed	Fuel	Population	VMT	Trips	ROG_TOTAL	tons/mi	CO_TOTEX	tons/mi	NOx_TOTEX	tons/mi	CO2_TOTEX	CH4_RUNEX	CH4_IDLEX	CH4_STREXtons/mi	CH4_TOTEX	tons/mi	PM10_TOTEX	tons/mi	PM2.5_TOTEX	tons/mi	N2O_TOTEX	tons/mi	Fuel Consumptio	Ratio of Vehicle/Fuel Type to Total VMT	
SACRAMENTO	2022	LDA	Aggregated	Aggregated	GAS	591545.262	21127372	2764927.853	2.53848123	1.20152E-07	23.79674022	1.12635E-06	1.604662968	7.59518E-08	6377.280512	0.069818112	0	0.183189	0.000302	0.234837187	1.11153E-08	0.040734332	1.92804E-09	0.037454215	1.77278E-09	0.191637964	9.0706E-09	673.142382	0.680487	
SACRAMENTO	2022	LDA	Aggregated	Aggregated	DSL	5535.80976	200935.73	25811.77991	0.003463194	1.72353E-08	0.050667629	2.52158E-07	0.019588315	9.74855E-08	44.37503175	0.000172566	0	0	0.000221	0.000160859	8.00548E-10	0.001682593	8.37379E-09	0.001609805	8.01154E-09	0.006975137	3.47133E-08	3.954837305	0.006472	
SACRAMENTO	2022	LDA	Aggregated	Aggregated	ELEC	9888.8523	400963.41	49293.90524	0.000061887	1.54346E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012915	
SACRAMENTO	2022	LDT1	Aggregated	Aggregated	GAS	64366.1407	2129386.5	292380.935	0.609130553	2.86059E-07	3.650421808	1.71431E-06	0.318473052	1.49561E-07	751.0801412	0.01490581	0	0.027964	0.000353	0.03892626	1.82805E-08	0.005399027	2.53548E-09	0.00496436	2.33136E-09	0.027915455	1.31096E-08	79.27891431	0.068585	
SACRAMENTO	2022	LDT1	Aggregated	Aggregated	DSL	189.851776	3346.8664	698.5120735	0.000461861	1.37998E-07	0.003712847	1.10935E-06	0.004384337	1.30998E-06	1.722253414	2.52555E-05	0	0	0.000515	2.14526E-05	6.40975E-09	0.00030265	9.04278E-08	0.000289557	8.65159E-08	0.000270714	8.08859E-08	0.153492443	0.000108	
SACRAMENTO	2022	LDT1	Aggregated	Aggregated	ELEC	398.561321	15899.45	1969.287214	2.48489E-05	1.56288E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000512	
SACRAMENTO	2022	LDT2	Aggregated	Aggregated	GAS	206880.886	7073751.3	955128.7989	1.369514426	1.93605E-07	10.57734649	1.4953E-06	0.97561493	1.3792E-07	2708.20357	0.03431868	0	0.085024	0.000383	0.111371418	1.57443E-08	0.01355983	1.91692E-09	0.012467989	1.76257E-09	0.089746307	1.26872E-08	285.8595601	0.227837	
SACRAMENTO	2022	LDT2	Aggregated	Aggregated	DSL	1121.98919	45564.461	5492.505939	0.000783936	1.7205E-08	0.006814764	1.49563E-07	0.00213853	4.69342E-08	13.68402831	3.38575E-05	0	0	0.0003	3.64123E-05	7.99138E-10	0.00025529	5.60284E-09	0.000244247	5.36046E-09	0.002150939	4.72065E-08	1.219562071	0.001468	0.001087
SACRAMENTO	2022	LDT2	Aggregated	Aggregated	ELEC	1542.24478	50193.831	7790.718854	9.70723E-05	1.93395E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001617	
SACRAMENTO	2022	T7 CAIRP construction	Aggregated	Aggregated	DSL	50.6218806	9128.3063	228.859554	0.000841381	0.007135841			0.047452653		17.46489773	5.6194E-05	3.96441E-06	0		3.908E-05		0.000273071		0.000261258		0.002745239		1.556524612		
SACRAMENTO	2022	T6 instate heavy	Aggregate	Aggregate	Diesel	1371.81513	184822.88	15830.55645	0.012529951	0.047587039			0.446575419		203.633899	0.000577561	4.42292E-06	0		0.000581984		0.004747398		0.004542028		0.032008413		18.14847018		

Emission Factors	ROG		CO		NOX		PM10		PM2.5		CO2	CH4	N2O
Vehicle Category	lb/mi	ton/mi	lb/mi	ton/mi	lb/mi	ton/mi	lb/mi	ton/mi	lb/mi	ton/mi	MT/mi	MT/mi	MT/mi
Truck Hauling (T7 CAIRP construction)	0.000184	9.21727E-08	0.001563	7.81727E-07	0.010397	5.1984E-06	5.983E-05	2.99148E-08	5.72414E-05	2.86207E-08	0.001735688	3.88383E-09	2.72826E-07
Worker Commute (composite of LDA, LDT)	0.000293	1.45667E-07	0.002453	1.22669E-06	0.000188	9.4206E-08	3.99E-06	1.99481E-09	3.67375E-06	1.83687E-09	0.000289165	1.12598E-08	9.3121E-09
T6 instate heavy	0.000136	6.77944E-08	0.000515	2.57474E-07	0.004832	2.4162E-06	5.137E-05	2.56862E-08	4.91501E-05	2.4575E-08	0.000995517	2.85661E-09	1.5711E-07

Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel Consumption 1000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
SACRAMENTO	2022	LDA	Aggregated	Aggregated	GAS	591545.262	21127372	2764927.853	673.142382	31.39	28.59	
SACRAMENTO	2022	LDT1	Aggregated	Aggregated	GAS	64366.1407	2129386.5	292380.935	79.27891431	26.86		
SACRAMENTO	2022	LDT2	Aggregated	Aggregated	GAS	206880.886	7073751.3	955128.7989	285.8595601	24.75		
SACRAMENTO	2022	LDT2	Aggregated	Aggregated	DSL	1121.98919	45564.461	5492.505939	1.219562071	37.36		37.36
SACRAMENTO	2022	T7 CAIRP construction	Aggregated	Aggregated	DSL	50.6218806	9128.3063	228.859554	1.556524612	5.86		5.86

Health Risk Assessment Scenario 1: Haul Route North

Haul trucks would travel along the top of the levee crossing the paved bicycle path adjacent to the 28th and B Street Skate Park. Bicycle traffic would be controlled by a dedicated flagger during construction to prevent collisions from occurring. Haul trucks would enter the main ingress point and deliver their loads along Site 1-1 and then continue along the top of the levee east to exit at Glenn Hall Park and continue on Carlson Drive to H Street. Haul trucks would travel north along Howe Avenue to I-80. This emissions scenario included 100 percent of the haul truck trips traveling north on Howe Avenue to I-80.

Control Pathway

Dispersion Options

Titles

C:\Users\shaurya.johari\OneDrive - Ascent Environmental\Desktop\Proj

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours: ☑ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: Scenario1N.err

Source Pathway - Source Inputs

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL3673	634994.79	4272245.06	8.21	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3674	635004.79	4272245.06	7.93	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3675	635014.79	4272245.06	6.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3676	635024.79	4272245.06	5.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3874	634994.79	4272235.06	8.41	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3875	635004.79	4272235.06	8.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3876	635014.79	4272235.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3877	635024.79	4272235.06	6.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3878	635034.79	4272235.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3879	635044.79	4272235.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3880	635054.79	4272235.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4075	634994.79	4272225.06	8.60	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4076	635004.79	4272225.06	8.21	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4077	635014.79	4272225.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4078	635024.79	4272225.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4079	635034.79	4272225.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4080	635044.79	4272225.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4081	635054.79	4272225.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4082	635064.79	4272225.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4083	635074.79	4272225.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4276	634994.79	4272215.06	8.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4277	635004.79	4272215.06	8.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4278	635014.79	4272215.06	8.37	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4279	635024.79	4272215.06	8.14	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4280	635034.79	4272215.06	7.83	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4281	635044.79	4272215.06	6.74	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4282	635054.79	4272215.06	5.65	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4283	635064.79	4272215.06	4.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4284	635074.79	4272215.06	4.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4285	635084.79	4272215.06	3.54	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4286	635094.79	4272215.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4478	635004.79	4272205.06	9.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4479	635014.79	4272205.06	8.74	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4480	635024.79	4272205.06	8.47	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4481	635034.79	4272205.06	8.17	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4482	635044.79	4272205.06	7.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4483	635054.79	4272205.06	6.87	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4484	635064.79	4272205.06	6.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4485	635074.79	4272205.06	5.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4486	635084.79	4272205.06	4.04	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4487	635094.79	4272205.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4488	635104.79	4272205.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4680	635014.79	4272195.06	9.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4681	635024.79	4272195.06	8.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4682	635034.79	4272195.06	8.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4683	635044.79	4272195.06	8.30	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4684	635054.79	4272195.06	8.10	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4685	635064.79	4272195.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4686	635074.79	4272195.06	6.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4687	635084.79	4272195.06	4.53	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4688	635094.79	4272195.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4689	635104.79	4272195.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4690	635114.79	4272195.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4882	635024.79	4272185.06	9.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4883	635034.79	4272185.06	8.82	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4884	635044.79	4272185.06	8.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4885	635054.79	4272185.06	8.34	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4886	635064.79	4272185.06	8.03	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4887	635074.79	4272185.06	6.87	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4888	635084.79	4272185.06	5.72	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4889	635094.79	4272185.06	4.65	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4890	635104.79	4272185.06	4.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4891	635114.79	4272185.06	4.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4892	635124.79	4272185.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5085	635044.79	4272175.06	8.85	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5086	635054.79	4272175.06	8.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5087	635064.79	4272175.06	8.27	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5088	635074.79	4272175.06	7.59	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5089	635084.79	4272175.06	6.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5090	635094.79	4272175.06	6.27	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5091	635104.79	4272175.06	6.20	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5092	635114.79	4272175.06	6.14	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5093	635124.79	4272175.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5094	635134.79	4272175.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5287	635054.79	4272165.06	8.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5288	635064.79	4272165.06	8.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5289	635074.79	4272165.06	8.31	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5290	635084.79	4272165.06	8.10	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5291	635094.79	4272165.06	7.90	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5292	635104.79	4272165.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5293	635114.79	4272165.06	7.69	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5294	635124.79	4272165.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5295	635134.79	4272165.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5296	635144.79	4272165.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5297	635154.79	4272165.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5490	635074.79	4272155.06	8.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5491	635084.79	4272155.06	8.24	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5492	635094.79	4272155.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5493	635104.79	4272155.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5494	635114.79	4272155.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5495	635124.79	4272155.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5496	635134.79	4272155.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5497	635144.79	4272155.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5498	635154.79	4272155.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5499	635164.79	4272155.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5693	635094.79	4272145.06	8.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5694	635104.79	4272145.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5695	635114.79	4272145.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5696	635124.79	4272145.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5697	635134.79	4272145.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5698	635144.79	4272145.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5699	635154.79	4272145.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5700	635164.79	4272145.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5701	635174.79	4272145.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5895	635104.79	4272135.06	8.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5896	635114.79	4272135.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5897	635124.79	4272135.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5898	635134.79	4272135.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5899	635144.79	4272135.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5900	635154.79	4272135.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5901	635164.79	4272135.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5902	635174.79	4272135.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5903	635184.79	4272135.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6097	635114.79	4272125.06	8.22	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6098	635124.79	4272125.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6099	635134.79	4272125.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6100	635144.79	4272125.06	7.84	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6101	635154.79	4272125.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6102	635164.79	4272125.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6103	635174.79	4272125.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6104	635184.79	4272125.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6105	635194.79	4272125.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6298	635114.79	4272115.06	8.42	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6299	635124.79	4272115.06	8.31	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6300	635134.79	4272115.06	8.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6301	635144.79	4272115.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6302	635154.79	4272115.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6303	635164.79	4272115.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6304	635174.79	4272115.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6305	635184.79	4272115.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6306	635194.79	4272115.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6307	635204.79	4272115.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6498	635104.79	4272105.06	8.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6499	635114.79	4272105.06	8.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6500	635124.79	4272105.06	8.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6501	635134.79	4272105.06	8.31	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6502	635144.79	4272105.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6503	635154.79	4272105.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6504	635164.79	4272105.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6505	635174.79	4272105.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6506	635184.79	4272105.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6507	635194.79	4272105.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6508	635204.79	4272105.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6509	635214.79	4272105.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6699	635104.79	4272095.06	8.89	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6700	635114.79	4272095.06	8.76	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6701	635124.79	4272095.06	8.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6702	635134.79	4272095.06	8.41	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6703	635144.79	4272095.06	8.21	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6704	635154.79	4272095.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6705	635164.79	4272095.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6706	635174.79	4272095.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6707	635184.79	4272095.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6708	635194.79	4272095.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6709	635204.79	4272095.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6710	635214.79	4272095.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6711	635224.79	4272095.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6900	635104.79	4272085.06	9.06	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6901	635114.79	4272085.06	8.89	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6902	635124.79	4272085.06	8.72	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6903	635134.79	4272085.06	8.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6907	635174.79	4272085.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6908	635184.79	4272085.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6909	635194.79	4272085.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6910	635204.79	4272085.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6911	635214.79	4272085.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6912	635224.79	4272085.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6913	635234.79	4272085.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7101	635104.79	4272075.06	9.23	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL7102	635114.79	4272075.06	9.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7103	635124.79	4272075.06	8.82	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7109	635184.79	4272075.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7110	635194.79	4272075.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7111	635204.79	4272075.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7112	635214.79	4272075.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7113	635224.79	4272075.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7114	635234.79	4272075.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7115	635244.79	4272075.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7302	635104.79	4272065.06	9.29	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7303	635114.79	4272065.06	9.06	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7311	635194.79	4272065.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7312	635204.79	4272065.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL7313	635214.79	4272065.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7314	635224.79	4272065.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7315	635234.79	4272065.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7316	635244.79	4272065.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7317	635254.79	4272065.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7513	635204.79	4272055.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7514	635214.79	4272055.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7515	635224.79	4272055.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7516	635234.79	4272055.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7517	635244.79	4272055.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7518	635254.79	4272055.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7519	635264.79	4272055.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7716	635224.79	4272045.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL7717	635234.79	4272045.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7718	635244.79	4272045.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7719	635254.79	4272045.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7720	635264.79	4272045.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7721	635274.79	4272045.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7918	635234.79	4272035.06	7.84	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7919	635244.79	4272035.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7920	635254.79	4272035.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7921	635264.79	4272035.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7922	635274.79	4272035.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7923	635284.79	4272035.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8120	635244.79	4272025.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8121	635254.79	4272025.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL8122	635264.79	4272025.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8123	635274.79	4272025.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8124	635284.79	4272025.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8125	635294.79	4272025.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8322	635254.79	4272015.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8323	635264.79	4272015.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8324	635274.79	4272015.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8325	635284.79	4272015.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8326	635294.79	4272015.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8327	635304.79	4272015.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8524	635264.79	4272005.06	7.94	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8525	635274.79	4272005.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8526	635284.79	4272005.06	6.64	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL8527	635294.79	4272005.06	5.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8528	635304.79	4272005.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8529	635314.79	4272005.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8726	635274.79	4271995.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8727	635284.79	4271995.06	7.32	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8728	635294.79	4271995.06	6.67	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8729	635304.79	4271995.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8730	635314.79	4271995.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8731	635324.79	4271995.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8928	635284.79	4271985.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8929	635294.79	4271985.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8930	635304.79	4271985.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8931	635314.79	4271985.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL8932	635324.79	4271985.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8933	635334.79	4271985.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9130	635294.79	4271975.06	8.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9131	635304.79	4271975.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9132	635314.79	4271975.06	6.68	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9133	635324.79	4271975.06	5.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9134	635334.79	4271975.06	4.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9135	635344.79	4271975.06	4.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9332	635304.79	4271965.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9333	635314.79	4271965.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9334	635324.79	4271965.06	6.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9335	635334.79	4271965.06	6.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9336	635344.79	4271965.06	5.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL9337	635354.79	4271965.06	4.04	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9534	635314.79	4271955.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9535	635324.79	4271955.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9536	635334.79	4271955.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9537	635344.79	4271955.06	6.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9538	635354.79	4271955.06	4.53	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9539	635364.79	4271955.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9736	635324.79	4271945.06	8.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9737	635334.79	4271945.06	7.93	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9738	635344.79	4271945.06	6.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9739	635354.79	4271945.06	5.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9740	635364.79	4271945.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9741	635374.79	4271945.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL9938	635334.79	4271935.06	8.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9939	635344.79	4271935.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9940	635354.79	4271935.06	6.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9941	635364.79	4271935.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9942	635374.79	4271935.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9943	635384.79	4271935.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10140	635344.79	4271925.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10141	635354.79	4271925.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10142	635364.79	4271925.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10143	635374.79	4271925.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10144	635384.79	4271925.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10145	635394.79	4271925.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10342	635354.79	4271915.06	8.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL10343	635364.79	4271915.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10344	635374.79	4271915.06	6.64	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10345	635384.79	4271915.06	5.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10346	635394.79	4271915.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10347	635404.79	4271915.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10544	635364.79	4271905.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10545	635374.79	4271905.06	7.32	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10546	635384.79	4271905.06	6.67	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10547	635394.79	4271905.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10548	635404.79	4271905.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10549	635414.79	4271905.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10746	635374.79	4271895.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10747	635384.79	4271895.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL10748	635394.79	4271895.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10749	635404.79	4271895.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10750	635414.79	4271895.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10751	635424.79	4271895.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10948	635384.79	4271885.06	8.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10949	635394.79	4271885.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10950	635404.79	4271885.06	6.64	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10951	635414.79	4271885.06	5.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10952	635424.79	4271885.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10953	635434.79	4271885.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11150	635394.79	4271875.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11151	635404.79	4271875.06	7.32	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11152	635414.79	4271875.06	6.67	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL11153	635424.79	4271875.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11154	635434.79	4271875.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11155	635444.79	4271875.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11352	635404.79	4271865.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11353	635414.79	4271865.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11354	635424.79	4271865.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11355	635434.79	4271865.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11356	635444.79	4271865.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11357	635454.79	4271865.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11554	635414.79	4271855.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11555	635424.79	4271855.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11556	635434.79	4271855.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11557	635444.79	4271855.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL11558	635454.79	4271855.06	4.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11559	635464.79	4271855.06	4.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11756	635424.79	4271845.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11757	635434.79	4271845.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11758	635444.79	4271845.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11759	635454.79	4271845.06	6.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11760	635464.79	4271845.06	6.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11761	635474.79	4271845.06	5.94	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11958	635434.79	4271835.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11959	635444.79	4271835.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11960	635454.79	4271835.06	7.59	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11961	635464.79	4271835.06	7.49	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11962	635474.79	4271835.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL11963	635484.79	4271835.06	7.18	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12160	635444.79	4271825.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12161	635454.79	4271825.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12162	635464.79	4271825.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12163	635474.79	4271825.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12164	635484.79	4271825.06	7.33	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12165	635494.79	4271825.06	6.35	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12362	635454.79	4271815.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12363	635464.79	4271815.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12364	635474.79	4271815.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12365	635484.79	4271815.06	7.47	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12366	635494.79	4271815.06	6.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12367	635504.79	4271815.06	6.38	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL12564	635464.79	4271805.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12565	635474.79	4271805.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12566	635484.79	4271805.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12567	635494.79	4271805.06	7.50	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12568	635504.79	4271805.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12569	635514.79	4271805.06	7.29	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12766	635474.79	4271795.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12767	635484.79	4271795.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12768	635494.79	4271795.06	7.65	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12769	635504.79	4271795.06	7.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12770	635514.79	4271795.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12771	635524.79	4271795.06	7.41	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12772	635534.79	4271795.06	7.30	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL12969	635494.79	4271785.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12970	635504.79	4271785.06	7.75	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12971	635514.79	4271785.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12972	635524.79	4271785.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12973	635534.79	4271785.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12974	635544.79	4271785.06	7.37	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13171	635504.79	4271775.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13172	635514.79	4271775.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13173	635524.79	4271775.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13174	635534.79	4271775.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13175	635544.79	4271775.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13176	635554.79	4271775.06	7.50	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13177	635564.79	4271775.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL13373	635514.79	4271765.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13374	635524.79	4271765.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13375	635534.79	4271765.06	7.84	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13376	635544.79	4271765.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13377	635554.79	4271765.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13378	635564.79	4271765.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13379	635574.79	4271765.06	7.34	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13380	635584.79	4271765.06	6.38	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13576	635534.79	4271755.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13577	635544.79	4271755.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13578	635554.79	4271755.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13579	635564.79	4271755.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13580	635574.79	4271755.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL13581	635584.79	4271755.06	7.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13582	635594.79	4271755.06	6.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13778	635544.79	4271745.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13779	635554.79	4271745.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13780	635564.79	4271745.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13781	635574.79	4271745.06	7.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13782	635584.79	4271745.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13783	635594.79	4271745.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13980	635554.79	4271735.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13981	635564.79	4271735.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13982	635574.79	4271735.06	7.82	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13983	635584.79	4271735.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13984	635594.79	4271735.06	7.75	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL14183	635574.79	4271725.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14184	635584.79	4271725.06	7.95	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14185	635594.79	4271725.06	7.88	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14385	635584.79	4271715.06	8.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14386	635594.79	4271715.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: SLINE1

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000	Surface-Based	635627.22	4271668.87	8.03	0.00
			635678.48	4271627.41	7.93	0.00
			635713.15	4271598.81	8.05	0.00
			635786.46	4271555.07	7.97	0.00
			635900.70	4271508.53	7.94	0.00
			635992.20	4271481.05	7.94	0.00
			636109.63	4271456.57	7.95	0.00
			636163.79	4271449.98	7.95	0.00
			636275.46	4271432.82	7.92	0.00
			636374.42	4271416.33	7.95	0.00
			636417.88	4271413.69	7.93	0.00
			636492.77	4271413.03	8.01	0.00
			636656.59	4271426.88	9.14	0.00
			636871.89	4271447.34	9.14	0.00
			636954.81	4271453.27	9.44	0.00
			636990.25	4271447.34	9.76	0.00
			637018.75	4271437.79	9.79	0.00
			637061.55	4271420.63	10.36	0.00
			637136.44	4271361.25	9.75	0.00
			637160.51	4271342.78	9.78	0.00
			637028.78	4271181.79	9.28	0.00
			636849.57	4270963.98	9.45	0.00
			636746.21	4270837.25	9.16	0.00
			636625.64	4270690.52	9.14	0.00
			636594.21	4270647.63	9.33	0.00
			636572.81	4270590.87	10.51	0.00
			636564.11	4270547.98	10.37	0.00
			636560.77	4270509.70	10.37	0.00
			636576.32	4270399.54	10.67	0.00
			636598.10	4270344.74	10.67	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: SLINE1

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000	Surface-Based	636620.98	4270312.50	10.67	0.00
			636691.26	4270254.85	10.68	0.00
			636730.47	4270232.29	10.67	0.00
			636755.52	4270216.17	10.67	0.00
			636780.57	4270187.15	10.67	0.00
			636807.80	4270149.54	10.67	0.00
			636850.74	4269993.51	10.85	0.00
			636868.83	4269925.08	11.42	0.00
			636920.08	4269843.28	12.13	0.00
			636974.55	4269921.97	11.98	0.00
			637102.48	4270032.12	10.05	0.00
			637212.53	4270075.31	8.89	0.00
			637394.93	4270112.50	4.80	0.00
			637565.28	4270158.61	9.97	0.00
			637616.57	4270188.32	10.67	0.00
			637687.62	4270268.52	10.28	0.00
			637756.97	4270371.19	10.02	0.00
			637878.13	4270572.07	10.67	0.00
			637957.65	4270668.25	10.65	0.00
			638019.11	4270707.53	10.67	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: SLINE4

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000	Surface-Based	634976.01	4272290.84	7.94	0.00
			634931.09	4272334.03	7.68	0.00
			634891.35	4272344.40	7.91	0.00
			634858.53	4272358.22	7.98	0.00
			634817.06	4272382.41	7.93	0.00
			634749.67	4272392.78	7.68	0.00
			634557.89	4272370.32	7.93	0.00
			634258.98	4272251.10	7.92	0.00
			634060.29	4272161.26	8.14	0.00
			634003.27	4272131.88	8.86	0.00
			633960.08	4272097.33	9.81	0.00
			633942.80	4272067.96	10.05	0.00
			633923.79	4271986.75	7.89	0.00
			633887.51	4271953.92	6.27	0.00
			633858.14	4271943.56	7.21	0.00
			633808.03	4271936.64	7.32	0.00
			633783.84	4271917.64	7.32	0.00
			633692.27	4271672.29	10.51	0.00
			633544.70	4271212.56	7.32	0.00
			633720.57	4271149.54	7.62	0.00
			633847.18	4271475.92	7.63	0.00
			633965.35	4271613.78	6.88	0.00
			634111.66	4271746.02	7.61	0.00
			634294.54	4271813.55	6.69	0.00
			634508.37	4271852.94	7.64	0.00
			634964.17	4271923.28	7.75	0.00
			635054.20	4271954.23	8.87	0.00
			635172.38	4272047.08	8.38	0.00
			635238.09	4272141.44	3.05	0.00
			635268.93	4272217.82	3.13	0.00
			635551.90	4273200.88	7.83	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: SLINE4

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000	Surface-Based	635551.56	4273300.41	8.54	0.00
			635506.87	4273347.82	8.81	0.00
			635455.50	4273332.65	8.84	0.00
			635439.49	4273303.60	8.47	0.00
			635438.85	4273260.82	7.85	0.00
			635475.75	4273226.23	7.69	0.00
			635541.07	4273195.39	7.90	0.00

Source Type: LINE VOLUME
Source: SLINE5

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.50	1.00000	Surface-Based	635557.13	4273191.99	7.83	0.00
			635636.74	4273164.09	8.26	0.00
			635751.75	4273125.98	8.82	0.00
			635898.40	4273081.67	7.84	0.00
			636264.39	4273052.96	8.81	0.00
			636833.72	4273017.08	8.84	0.00
			637387.60	4273088.91	12.82	0.00
			637477.19	4273108.38	11.88	0.00
			637547.30	4273057.75	10.63	0.00
			637594.04	4272979.84	9.79	0.00
			637597.94	4272461.78	9.14	0.00
			637597.94	4272356.61	9.37	0.00
			638010.83	4272364.40	12.23	0.00
			638038.95	4270753.29	10.67	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: SLINE6

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000	Surface-Based	633693.06	4271142.88	7.62	1.70
			633499.88	4270557.50	7.62	1.70
			633540.86	4270548.72	7.61	1.70
			633719.40	4271139.95	7.62	1.70

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000001	635630.50	4271666.22	7.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000002	635637.06	4271660.91	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000003	635643.62	4271655.60	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000004	635650.19	4271650.30	7.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000005	635656.75	4271644.99	7.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000006	635663.31	4271639.68	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000007	635669.87	4271634.37	7.91	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000008	635676.43	4271629.06	7.91	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000009	635682.96	4271623.71	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000010	635689.47	4271618.34	8.00	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000011	635695.98	4271612.97	8.03	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000012	635702.49	4271607.60	8.01	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000013	635709.00	4271602.23	8.00	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000014	635715.78	4271597.24	7.98	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000015	635723.03	4271592.92	7.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000016	635730.28	4271588.59	7.99	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000017	635737.53	4271584.27	8.03	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000018	635744.77	4271579.94	8.08	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000019	635752.02	4271575.62	8.12	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000020	635759.27	4271571.29	8.11	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000021	635766.52	4271566.97	8.08	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000022	635773.77	4271562.65	8.04	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000023	635781.02	4271558.32	8.02	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000024	635788.40	4271554.28	7.99	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000025	635796.22	4271551.10	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000026	635804.04	4271547.91	7.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000027	635811.85	4271544.73	7.85	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000028	635819.67	4271541.54	7.86	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000029	635827.49	4271538.36	7.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000030	635835.30	4271535.17	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000031	635843.12	4271531.99	7.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000032	635850.93	4271528.80	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000033	635858.75	4271525.62	7.87	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000034	635866.57	4271522.43	7.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000035	635874.38	4271519.25	7.78	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000036	635882.20	4271516.07	7.81	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000037	635890.01	4271512.88	7.84	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000038	635897.83	4271509.70	7.88	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000039	635905.82	4271506.99	7.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000040	635913.90	4271504.56	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000041	635921.98	4271502.14	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000042	635930.07	4271499.71	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000043	635938.15	4271497.28	7.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000044	635946.23	4271494.85	7.84	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000045	635954.32	4271492.43	7.80	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000046	635962.40	4271490.00	7.78	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000047	635970.48	4271487.57	7.80	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000048	635978.57	4271485.14	7.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000049	635986.65	4271482.72	7.85	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000050	635994.79	4271480.51	7.87	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000051	636003.05	4271478.79	7.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000052	636011.31	4271477.07	7.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000053	636019.58	4271475.34	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000054	636027.84	4271473.62	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000055	636036.10	4271471.90	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000056	636044.36	4271470.18	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000057	636052.63	4271468.46	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000058	636060.89	4271466.73	7.87	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000059	636069.15	4271465.01	7.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000060	636077.41	4271463.29	7.78	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000061	636085.68	4271461.57	7.76	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000062	636093.94	4271459.84	7.77	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000063	636102.20	4271458.12	7.79	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000064	636110.47	4271456.47	7.81	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000065	636118.85	4271455.45	7.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000066	636127.23	4271454.43	7.83	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000067	636135.61	4271453.41	7.84	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000068	636143.99	4271452.39	7.85	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000069	636152.37	4271451.37	7.58	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000070	636160.74	4271450.35	7.41	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000071	636169.10	4271449.16	7.34	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000072	636177.44	4271447.88	7.50	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000073	636185.78	4271446.60	7.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000074	636194.12	4271445.32	7.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000075	636202.47	4271444.04	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000076	636210.81	4271442.75	7.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000077	636219.15	4271441.47	7.96	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000078	636227.49	4271440.19	7.97	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000079	636235.84	4271438.91	7.98	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000080	636244.18	4271437.63	7.97	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000081	636252.52	4271436.35	7.96	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000082	636260.86	4271435.06	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000083	636269.20	4271433.78	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000084	636277.54	4271432.48	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000085	636285.87	4271431.09	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000086	636294.19	4271429.70	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000087	636302.52	4271428.31	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000088	636310.84	4271426.93	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000089	636319.17	4271425.54	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000090	636327.49	4271424.15	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000091	636335.82	4271422.76	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000092	636344.14	4271421.37	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000093	636352.47	4271419.99	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000094	636360.79	4271418.60	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000095	636369.12	4271417.21	7.91	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000096	636377.48	4271416.14	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000097	636385.90	4271415.63	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000098	636394.33	4271415.12	7.92	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000099	636402.75	4271414.61	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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SLINE1	L0000100	636411.18	4271414.10	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000101	636419.61	4271413.67	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000102	636428.05	4271413.60	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000103	636436.48	4271413.53	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000104	636444.92	4271413.45	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000105	636453.36	4271413.38	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000106	636461.80	4271413.30	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000107	636470.24	4271413.23	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000108	636478.68	4271413.15	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000109	636487.12	4271413.08	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000110	636495.55	4271413.27	7.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000111	636503.96	4271413.98	7.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000112	636512.37	4271414.69	8.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000113	636520.78	4271415.40	8.61	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000114	636529.19	4271416.11	8.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000115	636537.60	4271416.82	9.13	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000116	636546.01	4271417.53	9.13	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000117	636554.42	4271418.24	9.13	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000118	636562.83	4271418.96	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000119	636571.24	4271419.67	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000120	636579.65	4271420.38	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000121	636588.06	4271421.09	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000122	636596.47	4271421.80	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000123	636604.88	4271422.51	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000124	636613.29	4271423.22	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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SLINE1	L0000125	636621.70	4271423.93	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000126	636630.11	4271424.65	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000127	636638.52	4271425.36	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000128	636646.93	4271426.07	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000129	636655.34	4271426.78	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000130	636663.75	4271427.56	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000131	636672.15	4271428.36	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000132	636680.55	4271429.16	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000133	636688.95	4271429.96	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000134	636697.35	4271430.76	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000135	636705.76	4271431.56	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000136	636714.16	4271432.35	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000137	636722.56	4271433.15	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000138	636730.96	4271433.95	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000139	636739.37	4271434.75	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000140	636747.77	4271435.55	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000141	636756.17	4271436.34	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000142	636764.57	4271437.14	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000143	636772.97	4271437.94	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000144	636781.38	4271438.74	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000145	636789.78	4271439.54	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000146	636798.18	4271440.33	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000147	636806.58	4271441.13	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000148	636814.98	4271441.93	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000149	636823.39	4271442.73	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93

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SLINE1	L0000150	636831.79	4271443.53	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000151	636840.19	4271444.33	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000152	636848.59	4271445.12	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000153	636857.00	4271445.92	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000154	636865.40	4271446.72	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000155	636873.80	4271447.47	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000156	636882.22	4271448.08	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000157	636890.64	4271448.68	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000158	636899.06	4271449.28	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000159	636907.48	4271449.89	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000160	636915.90	4271450.49	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000161	636924.31	4271451.09	9.15	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000162	636932.73	4271451.69	9.21	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000163	636941.15	4271452.30	9.28	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000164	636949.57	4271452.90	9.33	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000165	636957.95	4271452.75	9.41	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000166	636966.28	4271451.35	9.51	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000167	636974.60	4271449.96	9.61	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000168	636982.92	4271448.56	9.71	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000169	636991.21	4271447.01	9.74	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000170	636999.21	4271444.33	9.76	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000171	637007.22	4271441.65	9.78	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000172	637015.22	4271438.97	9.83	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000173	637023.13	4271436.03	9.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000174	637030.96	4271432.89	10.05	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000175	637038.79	4271429.75	10.16	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000176	637046.63	4271426.61	10.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000177	637054.46	4271423.47	10.34	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000178	637062.18	4271420.13	10.37	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000179	637068.79	4271414.89	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000180	637075.41	4271409.64	10.32	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000181	637082.02	4271404.40	10.31	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000182	637088.63	4271399.16	10.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000183	637095.25	4271393.91	10.21	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000184	637101.86	4271388.67	10.13	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000185	637108.47	4271383.42	10.04	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000186	637115.09	4271378.18	9.99	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000187	637121.70	4271372.94	9.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000188	637128.31	4271367.69	9.88	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000189	637134.93	4271362.45	9.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000190	637141.61	4271357.29	9.76	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000191	637148.30	4271352.15	9.77	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000192	637155.00	4271347.01	9.81	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000193	637159.57	4271341.63	9.87	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000194	637154.22	4271335.10	9.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000195	637148.88	4271328.56	9.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000196	637143.53	4271322.03	9.85	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000197	637138.19	4271315.50	9.80	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000198	637132.84	4271308.97	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000199	637127.50	4271302.44	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000200	637122.15	4271295.90	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000201	637116.81	4271289.37	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000202	637111.46	4271282.84	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000203	637106.12	4271276.31	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000204	637100.77	4271269.78	9.73	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000205	637095.43	4271263.24	9.65	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000206	637090.08	4271256.71	9.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000207	637084.74	4271250.18	9.50	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000208	637079.39	4271243.65	9.46	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000209	637074.05	4271237.12	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000210	637068.70	4271230.58	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000211	637063.36	4271224.05	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000212	637058.01	4271217.52	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000213	637052.67	4271210.99	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000214	637047.32	4271204.46	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000215	637041.98	4271197.93	9.43	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000216	637036.64	4271191.39	9.37	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000217	637031.29	4271184.86	9.32	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000218	637025.94	4271178.34	9.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000219	637020.57	4271171.82	9.21	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000220	637015.21	4271165.30	9.16	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000221	637009.85	4271158.78	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000222	637004.49	4271152.27	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000223	636999.12	4271145.75	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000224	636993.76	4271139.23	9.16	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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SLINE1	L0000225	636988.40	4271132.71	9.16	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000226	636983.04	4271126.20	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000227	636977.67	4271119.68	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000228	636972.31	4271113.16	9.15	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000229	636966.95	4271106.64	9.18	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000230	636961.59	4271100.13	9.18	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000231	636956.23	4271093.61	9.16	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000232	636950.86	4271087.09	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000233	636945.50	4271080.57	9.19	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000234	636940.14	4271074.06	9.25	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000235	636934.78	4271067.54	9.32	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000236	636929.41	4271061.02	9.39	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000237	636924.05	4271054.50	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000238	636918.69	4271047.99	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000239	636913.33	4271041.47	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000240	636907.96	4271034.95	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000241	636902.60	4271028.43	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000242	636897.24	4271021.92	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000243	636891.88	4271015.40	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000244	636886.51	4271008.88	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000245	636881.15	4271002.36	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000246	636875.79	4270995.84	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000247	636870.43	4270989.33	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000248	636865.07	4270982.81	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000249	636859.70	4270976.29	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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SLINE1	L0000250	636854.34	4270969.77	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000251	636848.98	4270963.25	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000252	636843.65	4270956.71	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000253	636838.31	4270950.17	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000254	636832.98	4270943.63	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000255	636827.64	4270937.09	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000256	636822.31	4270930.55	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000257	636816.97	4270924.01	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000258	636811.64	4270917.47	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000259	636806.31	4270910.93	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000260	636800.97	4270904.39	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000261	636795.64	4270897.85	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000262	636790.30	4270891.31	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000263	636784.97	4270884.77	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000264	636779.63	4270878.23	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000265	636774.30	4270871.69	9.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000266	636768.96	4270865.15	9.40	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000267	636763.63	4270858.61	9.34	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000268	636758.30	4270852.07	9.29	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000269	636752.96	4270845.53	9.24	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000270	636747.63	4270838.99	9.18	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000271	636742.27	4270832.46	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000272	636736.92	4270825.94	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000273	636731.56	4270819.42	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000274	636726.20	4270812.90	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93

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SLINE1	L0000275	636720.84	4270806.38	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000276	636715.48	4270799.86	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000277	636710.13	4270793.33	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000278	636704.77	4270786.81	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000279	636699.41	4270780.29	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000280	636694.05	4270773.77	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000281	636688.69	4270767.25	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000282	636683.33	4270760.73	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000283	636677.98	4270754.21	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000284	636672.62	4270747.69	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000285	636667.26	4270741.17	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000286	636661.90	4270734.65	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000287	636656.54	4270728.13	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000288	636651.18	4270721.60	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000289	636645.83	4270715.08	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000290	636640.47	4270708.56	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000291	636635.11	4270702.04	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000292	636629.75	4270695.52	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000293	636624.48	4270688.93	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000294	636619.49	4270682.12	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000295	636614.50	4270675.32	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000296	636609.51	4270668.51	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000297	636604.52	4270661.70	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000298	636599.53	4270654.89	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000299	636594.55	4270648.09	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000300	636591.43	4270640.26	9.21	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000301	636588.45	4270632.37	9.39	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000302	636585.48	4270624.47	9.69	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000303	636582.50	4270616.57	9.98	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000304	636579.52	4270608.67	10.26	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000305	636576.54	4270600.78	10.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000306	636573.56	4270592.88	10.55	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000307	636571.56	4270584.70	10.62	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000308	636569.88	4270576.43	10.66	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000309	636568.20	4270568.16	10.61	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000310	636566.53	4270559.89	10.53	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000311	636564.85	4270551.62	10.44	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000312	636563.70	4270543.27	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000313	636562.97	4270534.86	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000314	636562.23	4270526.45	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000315	636561.50	4270518.04	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000316	636560.78	4270509.64	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000317	636561.96	4270501.28	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000318	636563.14	4270492.92	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000319	636564.32	4270484.57	10.37	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000320	636565.50	4270476.21	10.38	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000321	636566.68	4270467.85	10.39	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000322	636567.86	4270459.49	10.40	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000323	636569.04	4270451.14	10.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000324	636570.22	4270442.78	10.52	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000325	636571.40	4270434.42	10.60	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000326	636572.58	4270426.07	10.66	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000327	636573.76	4270417.71	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000328	636574.94	4270409.35	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000329	636576.12	4270401.00	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000330	636578.90	4270393.06	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000331	636582.01	4270385.22	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000332	636585.13	4270377.38	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000333	636588.25	4270369.53	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000334	636591.37	4270361.69	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000335	636594.48	4270353.85	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000336	636597.60	4270346.00	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000337	636602.20	4270338.96	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000338	636607.08	4270332.08	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000339	636611.97	4270325.20	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000340	636616.85	4270318.31	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000341	636621.99	4270311.67	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000342	636628.51	4270306.32	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000343	636635.04	4270300.96	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000344	636641.57	4270295.61	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000345	636648.09	4270290.26	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000346	636654.62	4270284.91	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000347	636661.14	4270279.55	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000348	636667.67	4270274.20	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000349	636674.19	4270268.85	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000350	636680.72	4270263.50	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000351	636687.25	4270258.14	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000352	636694.08	4270253.23	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000353	636701.39	4270249.02	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000354	636708.71	4270244.81	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000355	636716.02	4270240.60	10.71	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000356	636723.34	4270236.39	10.73	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000357	636730.64	4270232.17	10.73	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000358	636737.74	4270227.60	10.70	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000359	636744.84	4270223.04	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000360	636751.94	4270218.47	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000361	636758.25	4270213.00	10.68	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000362	636763.77	4270206.61	10.70	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000363	636769.28	4270200.22	10.69	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000364	636774.80	4270193.84	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000365	636780.31	4270187.45	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000366	636785.29	4270180.63	10.70	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000367	636790.24	4270173.79	10.72	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000368	636795.19	4270166.96	10.72	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000369	636800.14	4270160.12	10.70	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000370	636805.09	4270153.28	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000371	636808.81	4270145.86	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000372	636811.05	4270137.72	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000373	636813.29	4270129.59	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000374	636815.53	4270121.45	10.69	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000375	636817.77	4270113.31	10.73	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000376	636820.01	4270105.17	10.76	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000377	636822.25	4270097.04	10.78	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000378	636824.49	4270088.90	10.76	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000379	636826.72	4270080.76	10.74	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000380	636828.96	4270072.62	10.72	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000381	636831.20	4270064.49	10.70	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000382	636833.44	4270056.35	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000383	636835.68	4270048.21	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000384	636837.92	4270040.07	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000385	636840.16	4270031.94	10.69	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000386	636842.40	4270023.80	10.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000387	636844.64	4270015.66	10.79	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000388	636846.88	4270007.52	10.83	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000389	636849.12	4269999.39	10.88	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000390	636851.33	4269991.24	10.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000391	636853.49	4269983.08	11.00	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000392	636855.65	4269974.92	11.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000393	636857.81	4269966.76	11.07	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000394	636859.96	4269958.60	11.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000395	636862.12	4269950.44	11.02	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000396	636864.28	4269942.28	11.00	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000397	636866.44	4269934.12	11.11	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000398	636868.59	4269925.96	11.25	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000399	636872.82	4269918.70	11.48	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000400	636877.30	4269911.55	11.63	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000401	636881.79	4269904.40	11.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000402	636886.27	4269897.25	11.73	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000403	636890.75	4269890.09	11.81	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000404	636895.23	4269882.94	11.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000405	636899.71	4269875.79	11.94	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000406	636904.19	4269868.64	12.01	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000407	636908.67	4269861.49	12.09	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000408	636913.15	4269854.33	12.19	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000409	636917.63	4269847.18	12.13	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000410	636922.26	4269846.43	12.11	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000411	636927.06	4269853.37	12.18	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000412	636931.87	4269860.31	12.11	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000413	636936.67	4269867.25	12.05	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000414	636941.47	4269874.19	12.03	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000415	636946.28	4269881.13	12.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000416	636951.08	4269888.07	12.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000417	636955.88	4269895.01	12.19	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000418	636960.69	4269901.95	12.15	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000419	636965.49	4269908.89	12.10	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000420	636970.29	4269915.83	12.02	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000421	636975.28	4269922.60	11.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000422	636981.67	4269928.11	11.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000423	636988.07	4269933.62	11.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000424	636994.47	4269939.12	11.69	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000425	637000.86	4269944.63	11.55	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000426	637007.26	4269950.14	11.34	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000427	637013.66	4269955.64	11.17	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000428	637020.05	4269961.15	11.05	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000429	637026.45	4269966.66	10.93	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000430	637032.84	4269972.16	10.81	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000431	637039.24	4269977.67	10.69	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000432	637045.64	4269983.18	10.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000433	637052.03	4269988.68	10.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000434	637058.43	4269994.19	10.33	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000435	637064.82	4269999.70	10.20	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000436	637071.22	4270005.20	10.09	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000437	637077.62	4270010.71	10.03	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000438	637084.01	4270016.22	9.99	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000439	637090.41	4270021.72	9.98	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000440	637096.81	4270027.23	10.00	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000441	637103.37	4270032.47	10.03	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000442	637111.22	4270035.55	9.98	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000443	637119.08	4270038.63	9.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000444	637126.93	4270041.72	9.82	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000445	637134.79	4270044.80	9.75	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000446	637142.65	4270047.88	9.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000447	637150.50	4270050.97	9.59	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000448	637158.36	4270054.05	9.51	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000449	637166.22	4270057.13	9.43	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000450	637174.07	4270060.22	9.35	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000451	637181.93	4270063.30	9.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000452	637189.79	4270066.39	9.19	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000453	637197.64	4270069.47	9.11	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000454	637205.50	4270072.55	9.03	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000455	637213.40	4270075.49	8.95	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000456	637221.67	4270077.18	8.86	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000457	637229.94	4270078.86	8.72	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000458	637238.21	4270080.55	8.55	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000459	637246.48	4270082.23	8.38	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000460	637254.75	4270083.92	8.22	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000461	637263.02	4270085.61	8.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000462	637271.29	4270087.29	8.05	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000463	637279.56	4270088.98	7.97	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000464	637287.83	4270090.66	7.89	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000465	637296.10	4270092.35	7.80	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000466	637304.37	4270094.03	7.72	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000467	637312.64	4270095.72	7.56	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000468	637320.91	4270097.41	6.72	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000469	637329.18	4270099.09	5.86	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000470	637337.45	4270100.78	5.10	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000471	637345.72	4270102.46	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000472	637353.99	4270104.15	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000473	637362.26	4270105.84	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000474	637370.53	4270107.52	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000475	637378.80	4270109.21	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000476	637387.07	4270110.89	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000477	637395.33	4270112.61	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000478	637403.48	4270114.81	4.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000479	637411.63	4270117.02	5.45	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000480	637419.77	4270119.22	6.41	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000481	637427.92	4270121.43	7.41	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000482	637436.07	4270123.63	8.23	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000483	637444.21	4270125.84	8.43	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000484	637452.36	4270128.04	8.58	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000485	637460.51	4270130.25	8.76	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000486	637468.65	4270132.45	8.90	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000487	637476.80	4270134.66	9.01	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000488	637484.95	4270136.86	9.14	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000489	637493.09	4270139.07	9.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000490	637501.24	4270141.27	9.27	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000491	637509.39	4270143.48	9.24	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000492	637517.53	4270145.68	9.19	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000493	637525.68	4270147.89	9.18	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000494	637533.83	4270150.09	9.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000495	637541.97	4270152.30	9.53	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000496	637550.12	4270154.50	9.68	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000497	637558.27	4270156.71	9.88	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000498	637566.30	4270159.20	10.13	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000499	637573.60	4270163.43	10.35	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000500	637580.90	4270167.66	10.57	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000501	637588.21	4270171.89	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000502	637595.51	4270176.12	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000503	637602.81	4270180.35	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000504	637610.12	4270184.58	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000505	637617.22	4270189.05	10.63	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000506	637622.82	4270195.37	10.56	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000507	637628.42	4270201.69	10.50	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000508	637634.01	4270208.00	10.43	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000509	637639.61	4270214.32	10.37	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000510	637645.21	4270220.64	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000511	637650.80	4270226.96	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000512	637656.40	4270233.27	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000513	637662.00	4270239.59	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000514	637667.59	4270245.91	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000515	637673.19	4270252.23	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000516	637678.78	4270258.54	10.34	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000517	637684.38	4270264.86	10.29	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000518	637689.61	4270271.46	10.22	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000519	637694.33	4270278.46	10.16	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000520	637699.06	4270285.45	10.11	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000521	637703.78	4270292.45	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000522	637708.51	4270299.44	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000523	637713.23	4270306.44	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000524	637717.95	4270313.43	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000525	637722.68	4270320.42	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000526	637727.40	4270327.42	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000527	637732.13	4270334.41	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000528	637736.85	4270341.41	10.04	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000529	637741.57	4270348.40	10.02	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000530	637746.30	4270355.39	10.02	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000531	637751.02	4270362.39	10.04	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000532	637755.75	4270369.38	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000533	637760.20	4270376.55	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000534	637764.56	4270383.78	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000535	637768.92	4270391.00	10.05	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000536	637773.28	4270398.23	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000537	637777.63	4270405.46	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000538	637781.99	4270412.69	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000539	637786.35	4270419.91	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000540	637790.71	4270427.14	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000541	637795.07	4270434.37	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000542	637799.43	4270441.59	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000543	637803.79	4270448.82	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000544	637808.15	4270456.05	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000545	637812.51	4270463.28	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000546	637816.87	4270470.50	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000547	637821.23	4270477.73	10.06	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000548	637825.59	4270484.96	10.08	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000549	637829.94	4270492.18	10.18	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000550	637834.30	4270499.41	10.26	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000551	637838.66	4270506.64	10.32	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000552	637843.02	4270513.87	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000553	637847.38	4270521.09	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000554	637851.74	4270528.32	10.36	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000555	637856.10	4270535.55	10.38	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000556	637860.46	4270542.77	10.42	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000557	637864.82	4270550.00	10.51	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000558	637869.18	4270557.23	10.58	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000559	637873.54	4270564.46	10.63	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000560	637877.89	4270571.68	10.66	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000561	637883.22	4270578.23	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000562	637888.60	4270584.73	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000563	637893.98	4270591.23	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000564	637899.35	4270597.74	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000565	637904.73	4270604.24	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000566	637910.11	4270610.75	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000567	637915.49	4270617.25	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000568	637920.87	4270623.76	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000569	637926.25	4270630.26	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000570	637931.62	4270636.76	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000571	637937.00	4270643.27	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000572	637942.38	4270649.77	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000573	637947.76	4270656.28	10.66	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000574	637953.14	4270662.78	10.66	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000575	637958.79	4270668.97	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000576	637965.90	4270673.52	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000577	637973.02	4270678.06	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000578	637980.13	4270682.61	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000579	637987.24	4270687.16	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000580	637994.35	4270691.70	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000581	638001.46	4270696.25	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000582	638008.57	4270700.79	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93
	L0000583	638015.68	4270705.34	10.67	0.00	0.00172	8.44	Surface-Based	3.93	1.93

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0091831	634972.97	4272293.76	7.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091832	634966.89	4272299.61	7.96	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091833	634960.80	4272305.46	7.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091834	634954.72	4272311.31	7.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091835	634948.64	4272317.16	7.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091836	634942.55	4272323.01	7.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091837	634936.47	4272328.86	7.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091838	634930.14	4272334.28	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091839	634921.98	4272336.41	7.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091840	634913.81	4272338.54	7.69	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091841	634905.64	4272340.67	7.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091842	634897.48	4272342.80	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091843	634889.41	4272345.22	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091844	634881.63	4272348.50	7.89	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0091845	634873.85	4272351.77	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091846	634866.07	4272355.05	7.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091847	634858.31	4272358.35	7.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091848	634851.02	4272362.60	7.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091849	634843.73	4272366.86	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091850	634836.44	4272371.11	7.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091851	634829.15	4272375.36	7.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091852	634821.86	4272379.61	7.74	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091853	634814.21	4272382.85	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091854	634805.86	4272384.13	7.72	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091855	634797.52	4272385.42	7.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091856	634789.18	4272386.70	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091857	634780.84	4272387.98	7.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091858	634772.50	4272389.27	7.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091859	634764.16	4272390.55	7.77	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091860	634755.81	4272391.83	7.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091861	634747.46	4272392.52	7.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091862	634739.08	4272391.54	7.76	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091863	634730.70	4272390.56	7.77	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091864	634722.31	4272389.57	7.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091865	634713.93	4272388.59	7.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091866	634705.55	4272387.61	7.80	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091867	634697.16	4272386.63	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091868	634688.78	4272385.65	7.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091869	634680.40	4272384.67	7.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0091870	634672.02	4272383.68	7.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091871	634663.63	4272382.70	7.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091872	634655.25	4272381.72	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091873	634646.87	4272380.74	7.87	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091874	634638.49	4272379.76	7.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091875	634630.10	4272378.78	7.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091876	634621.72	4272377.79	7.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091877	634613.34	4272376.81	7.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091878	634604.95	4272375.83	7.88	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091879	634596.57	4272374.85	7.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091880	634588.19	4272373.87	7.94	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091881	634579.81	4272372.88	7.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091882	634571.42	4272371.90	7.96	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091883	634563.04	4272370.92	7.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091884	634554.87	4272369.11	7.98	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091885	634547.03	4272365.99	8.02	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091886	634539.19	4272362.86	8.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091887	634531.35	4272359.73	8.08	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091888	634523.51	4272356.61	8.11	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091889	634515.67	4272353.48	8.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091890	634507.83	4272350.35	8.17	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091891	634499.99	4272347.23	8.21	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091892	634492.15	4272344.10	8.21	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091893	634484.31	4272340.97	8.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091894	634476.47	4272337.85	8.09	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0091895	634468.63	4272334.72	8.06	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091896	634460.79	4272331.59	8.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091897	634452.95	4272328.46	8.03	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091898	634445.12	4272325.34	8.00	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091899	634437.28	4272322.21	7.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091900	634429.44	4272319.08	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091901	634421.60	4272315.96	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091902	634413.76	4272312.83	7.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091903	634405.92	4272309.70	7.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091904	634398.08	4272306.58	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091905	634390.24	4272303.45	7.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091906	634382.40	4272300.32	7.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091907	634374.56	4272297.20	7.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091908	634366.72	4272294.07	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091909	634358.88	4272290.94	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091910	634351.04	4272287.82	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091911	634343.20	4272284.69	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091912	634335.36	4272281.56	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091913	634327.52	4272278.44	7.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091914	634319.68	4272275.31	8.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091915	634311.84	4272272.18	8.09	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091916	634304.01	4272269.06	8.02	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091917	634296.17	4272265.93	7.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091918	634288.33	4272262.80	7.94	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091919	634280.49	4272259.68	7.91	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0091920	634272.65	4272256.55	7.91	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091921	634264.81	4272253.42	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091922	634257.01	4272250.21	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091923	634249.32	4272246.73	7.89	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091924	634241.63	4272243.25	7.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091925	634233.94	4272239.77	7.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091926	634226.25	4272236.30	7.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091927	634218.55	4272232.82	7.80	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091928	634210.86	4272229.34	7.77	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091929	634203.17	4272225.86	7.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091930	634195.48	4272222.39	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091931	634187.79	4272218.91	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091932	634180.10	4272215.43	7.72	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091933	634172.41	4272211.96	7.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091934	634164.72	4272208.48	7.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091935	634157.03	4272205.00	7.87	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091936	634149.34	4272201.52	7.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091937	634141.65	4272198.05	8.10	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091938	634133.96	4272194.57	8.23	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091939	634126.27	4272191.09	8.23	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091940	634118.58	4272187.61	8.23	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091941	634110.89	4272184.14	8.23	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091942	634103.20	4272180.66	8.23	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091943	634095.51	4272177.18	8.19	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091944	634087.82	4272173.70	8.18	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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SLINE4	L0091945	634080.13	4272170.23	8.19	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091946	634072.44	4272166.75	8.20	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091947	634064.75	4272163.27	8.17	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091948	634057.14	4272159.63	8.20	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091949	634049.63	4272155.77	8.24	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091950	634042.13	4272151.90	8.31	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091951	634034.63	4272148.04	8.40	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091952	634027.12	4272144.17	8.51	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091953	634019.62	4272140.31	8.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091954	634012.12	4272136.44	8.76	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091955	634004.62	4272132.58	8.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091956	633997.86	4272127.56	9.06	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091957	633991.27	4272122.28	9.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091958	633984.68	4272117.01	9.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091959	633978.09	4272111.74	9.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091960	633971.50	4272106.47	10.02	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091961	633964.91	4272101.19	10.01	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091962	633958.94	4272095.39	10.00	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091963	633954.66	4272088.11	10.10	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091964	633950.38	4272080.84	10.16	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091965	633946.10	4272073.56	10.19	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091966	633942.36	4272066.07	10.12	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091967	633940.44	4272057.85	10.13	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091968	633938.51	4272049.64	10.20	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091969	633936.59	4272041.42	10.16	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

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SLINE4	L0091970	633934.67	4272033.20	9.94	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091971	633932.74	4272024.98	9.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091972	633930.82	4272016.76	9.54	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091973	633928.90	4272008.55	9.20	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091974	633926.97	4272000.33	8.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091975	633925.05	4271992.11	8.34	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091976	633921.62	4271984.78	7.89	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091977	633915.36	4271979.12	7.50	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091978	633909.10	4271973.46	7.13	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091979	633902.84	4271967.79	6.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091980	633896.58	4271962.13	6.47	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091981	633890.32	4271956.47	6.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091982	633883.13	4271952.38	6.52	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091983	633875.17	4271949.57	6.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091984	633867.21	4271946.76	7.04	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091985	633859.25	4271943.95	7.19	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091986	633850.95	4271942.56	7.33	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091987	633842.59	4271941.41	7.47	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091988	633834.23	4271940.26	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091989	633825.87	4271939.10	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091990	633817.51	4271937.95	7.65	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091991	633809.15	4271936.80	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091992	633802.28	4271932.12	7.53	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091993	633795.64	4271926.91	7.37	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091994	633789.01	4271921.69	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

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SLINE4	L0091995	633783.19	4271915.88	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091996	633780.24	4271907.97	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091997	633777.29	4271900.07	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091998	633774.33	4271892.16	7.29	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0091999	633771.38	4271884.25	7.19	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092000	633768.43	4271876.35	7.10	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092001	633765.48	4271868.44	7.04	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092002	633762.53	4271860.53	6.98	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092003	633759.58	4271852.62	6.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092004	633756.63	4271844.72	6.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092005	633753.68	4271836.81	6.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092006	633750.72	4271828.90	6.94	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092007	633747.77	4271821.00	6.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092008	633744.82	4271813.09	7.00	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092009	633741.87	4271805.18	7.01	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092010	633738.92	4271797.27	7.10	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092011	633735.97	4271789.37	7.21	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092012	633733.02	4271781.46	7.34	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092013	633730.07	4271773.55	7.47	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092014	633727.11	4271765.65	7.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092015	633724.16	4271757.74	7.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092016	633721.21	4271749.83	7.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092017	633718.26	4271741.92	8.17	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092018	633715.31	4271734.02	8.50	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092019	633712.36	4271726.11	8.80	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092020	633709.41	4271718.20	9.07	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092021	633706.46	4271710.30	9.44	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092022	633703.50	4271702.39	9.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092023	633700.55	4271694.48	10.23	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092024	633697.60	4271686.57	10.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092025	633694.65	4271678.67	10.44	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092026	633691.77	4271670.73	10.13	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092027	633689.19	4271662.70	9.80	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092028	633686.61	4271654.66	9.46	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092029	633684.03	4271646.63	9.11	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092030	633681.45	4271638.59	8.77	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092031	633678.87	4271630.55	8.42	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092032	633676.29	4271622.52	8.11	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092033	633673.71	4271614.48	7.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092034	633671.13	4271606.45	7.80	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092035	633668.56	4271598.41	7.67	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092036	633665.98	4271590.37	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092037	633663.40	4271582.34	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092038	633660.82	4271574.30	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092039	633658.24	4271566.26	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092040	633655.66	4271558.23	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092041	633653.08	4271550.19	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092042	633650.50	4271542.16	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092043	633647.92	4271534.12	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092044	633645.34	4271526.08	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092045	633642.76	4271518.05	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092046	633640.18	4271510.01	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092047	633637.60	4271501.98	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092048	633635.02	4271493.94	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092049	633632.44	4271485.90	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092050	633629.86	4271477.87	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092051	633627.28	4271469.83	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092052	633624.70	4271461.79	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092053	633622.12	4271453.76	7.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092054	633619.54	4271445.72	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092055	633616.96	4271437.69	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092056	633614.38	4271429.65	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092057	633611.80	4271421.61	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092058	633609.23	4271413.58	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092059	633606.65	4271405.54	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092060	633604.07	4271397.51	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092061	633601.49	4271389.47	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092062	633598.91	4271381.43	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092063	633596.33	4271373.40	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092064	633593.75	4271365.36	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092065	633591.17	4271357.33	7.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092066	633588.59	4271349.29	7.57	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092067	633586.01	4271341.25	7.54	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092068	633583.43	4271333.22	7.51	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092069	633580.85	4271325.18	7.49	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092070	633578.27	4271317.14	7.46	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092071	633575.69	4271309.11	7.43	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092072	633573.11	4271301.07	7.41	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092073	633570.53	4271293.04	7.38	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092074	633567.95	4271285.00	7.36	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092075	633565.37	4271276.96	7.33	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092076	633562.79	4271268.93	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092077	633560.21	4271260.89	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092078	633557.63	4271252.86	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092079	633555.05	4271244.82	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092080	633552.47	4271236.78	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092081	633549.90	4271228.75	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092082	633547.32	4271220.71	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092083	633544.74	4271212.67	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092084	633552.54	4271209.76	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092085	633560.48	4271206.91	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092086	633568.43	4271204.06	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092087	633576.37	4271201.22	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092088	633584.32	4271198.37	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092089	633592.26	4271195.52	7.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092090	633600.21	4271192.67	7.38	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092091	633608.15	4271189.83	7.46	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092092	633616.10	4271186.98	7.54	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092093	633624.04	4271184.13	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092094	633631.99	4271181.29	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092095	633639.93	4271178.44	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092096	633647.88	4271175.59	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092097	633655.83	4271172.74	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092098	633663.77	4271169.90	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092099	633671.72	4271167.05	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092100	633679.66	4271164.20	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092101	633687.61	4271161.36	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092102	633695.55	4271158.51	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092103	633703.50	4271155.66	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092104	633711.44	4271152.82	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092105	633719.39	4271149.97	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092106	633723.17	4271156.24	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092107	633726.22	4271164.11	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092108	633729.27	4271171.98	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092109	633732.33	4271179.85	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092110	633735.38	4271187.72	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092111	633738.43	4271195.59	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092112	633741.48	4271203.45	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092113	633744.54	4271211.32	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092114	633747.59	4271219.19	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092115	633750.64	4271227.06	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092116	633753.69	4271234.93	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092117	633756.75	4271242.80	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092118	633759.80	4271250.67	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092119	633762.85	4271258.54	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092120	633765.90	4271266.40	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092121	633768.96	4271274.27	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092122	633772.01	4271282.14	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092123	633775.06	4271290.01	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092124	633778.11	4271297.88	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092125	633781.17	4271305.75	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092126	633784.22	4271313.62	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092127	633787.27	4271321.48	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092128	633790.32	4271329.35	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092129	633793.38	4271337.22	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092130	633796.43	4271345.09	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092131	633799.48	4271352.96	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092132	633802.53	4271360.83	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092133	633805.59	4271368.70	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092134	633808.64	4271376.57	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092135	633811.69	4271384.43	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092136	633814.74	4271392.30	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092137	633817.80	4271400.17	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092138	633820.85	4271408.04	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092139	633823.90	4271415.91	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092140	633826.95	4271423.78	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092141	633830.01	4271431.65	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092142	633833.06	4271439.51	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092143	633836.11	4271447.38	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092144	633839.16	4271455.25	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092145	633842.22	4271463.12	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092146	633845.27	4271470.99	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092147	633849.23	4271478.31	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092148	633854.73	4271484.72	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092149	633860.22	4271491.13	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092150	633865.71	4271497.54	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092151	633871.20	4271503.94	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092152	633876.70	4271510.35	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092153	633882.19	4271516.76	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092154	633887.68	4271523.17	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092155	633893.17	4271529.58	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092156	633898.67	4271535.99	7.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092157	633904.16	4271542.39	7.57	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092158	633909.65	4271548.80	7.55	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092159	633915.14	4271555.21	7.56	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092160	633920.64	4271561.62	7.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092161	633926.13	4271568.03	7.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092162	633931.62	4271574.43	7.50	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092163	633937.12	4271580.84	7.39	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092164	633942.61	4271587.25	7.25	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092165	633948.10	4271593.66	7.09	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092166	633953.59	4271600.07	7.01	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092167	633959.09	4271606.47	6.96	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092168	633964.58	4271612.88	6.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092169	633970.73	4271618.65	6.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092170	633976.99	4271624.31	6.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092171	633983.25	4271629.97	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092172	633989.52	4271635.63	6.65	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092173	633995.78	4271641.29	6.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092174	634002.04	4271646.94	6.52	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092175	634008.30	4271652.60	6.46	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092176	634014.56	4271658.26	6.40	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092177	634020.82	4271663.92	6.40	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092178	634027.08	4271669.58	6.40	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092179	634033.35	4271675.24	6.40	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092180	634039.61	4271680.90	6.40	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092181	634045.87	4271686.56	6.44	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092182	634052.13	4271692.22	6.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092183	634058.39	4271697.88	6.74	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092184	634064.65	4271703.54	6.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092185	634070.91	4271709.20	7.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092186	634077.18	4271714.86	7.35	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092187	634083.44	4271720.52	7.45	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092188	634089.70	4271726.18	7.53	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092189	634095.96	4271731.83	7.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092190	634102.22	4271737.49	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092191	634108.48	4271743.15	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092192	634115.56	4271747.46	7.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092193	634123.48	4271750.39	7.60	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092194	634131.40	4271753.31	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092195	634139.31	4271756.23	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092196	634147.23	4271759.16	7.76	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092197	634155.15	4271762.08	7.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092198	634163.07	4271765.00	7.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092199	634170.98	4271767.93	7.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092200	634178.90	4271770.85	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092201	634186.82	4271773.77	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092202	634194.74	4271776.70	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092203	634202.65	4271779.62	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092204	634210.57	4271782.54	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092205	634218.49	4271785.47	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092206	634226.41	4271788.39	7.57	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092207	634234.32	4271791.31	7.41	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092208	634242.24	4271794.24	7.25	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092209	634250.16	4271797.16	7.09	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092210	634258.08	4271800.09	6.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092211	634265.99	4271803.01	6.89	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092212	634273.91	4271805.93	6.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092213	634281.83	4271808.86	6.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092214	634289.75	4271811.78	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092215	634297.82	4271814.15	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092216	634306.12	4271815.68	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092217	634314.42	4271817.21	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092218	634322.72	4271818.74	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092219	634331.02	4271820.27	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092220	634339.32	4271821.80	6.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092221	634347.62	4271823.33	6.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092222	634355.92	4271824.85	6.79	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092223	634364.22	4271826.38	6.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092224	634372.52	4271827.91	6.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092225	634380.82	4271829.44	7.09	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092226	634389.12	4271830.97	7.28	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092227	634397.42	4271832.50	7.46	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092228	634405.72	4271834.03	7.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092229	634414.02	4271835.56	7.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092230	634422.32	4271837.09	7.60	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092231	634430.62	4271838.62	7.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092232	634438.92	4271840.15	7.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092233	634447.22	4271841.67	7.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092234	634455.52	4271843.20	7.60	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092235	634463.82	4271844.73	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092236	634472.12	4271846.26	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092237	634480.42	4271847.79	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092238	634488.72	4271849.32	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092239	634497.02	4271850.85	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092240	634505.32	4271852.38	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092241	634513.65	4271853.75	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092242	634521.99	4271855.04	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092243	634530.33	4271856.33	7.67	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092244	634538.67	4271857.61	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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SLINE4	L0092245	634547.02	4271858.90	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092246	634555.36	4271860.19	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092247	634563.70	4271861.48	7.80	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092248	634572.04	4271862.76	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092249	634580.38	4271864.05	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092250	634588.72	4271865.34	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092251	634597.06	4271866.63	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092252	634605.40	4271867.91	7.65	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092253	634613.75	4271869.20	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092254	634622.09	4271870.49	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092255	634630.43	4271871.77	7.69	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092256	634638.77	4271873.06	7.70	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092257	634647.11	4271874.35	7.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092258	634655.45	4271875.64	7.69	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092259	634663.79	4271876.92	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092260	634672.13	4271878.21	7.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092261	634680.48	4271879.50	7.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092262	634688.82	4271880.79	7.55	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092263	634697.16	4271882.07	7.52	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092264	634705.50	4271883.36	7.50	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092265	634713.84	4271884.65	7.52	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092266	634722.18	4271885.93	7.53	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092267	634730.52	4271887.22	7.54	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092268	634738.86	4271888.51	7.55	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092269	634747.21	4271889.80	7.57	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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SLINE4	L0092270	634755.55	4271891.08	7.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092271	634763.89	4271892.37	7.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092272	634772.23	4271893.66	7.53	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092273	634780.57	4271894.94	7.45	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092274	634788.91	4271896.23	7.38	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092275	634797.25	4271897.52	7.37	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092276	634805.59	4271898.81	7.46	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092277	634813.94	4271900.09	7.54	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092278	634822.28	4271901.38	7.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092279	634830.62	4271902.67	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092280	634838.96	4271903.96	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092281	634847.30	4271905.24	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092282	634855.64	4271906.53	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092283	634863.98	4271907.82	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092284	634872.32	4271909.10	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092285	634880.67	4271910.39	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092286	634889.01	4271911.68	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092287	634897.35	4271912.97	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092288	634905.69	4271914.25	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092289	634914.03	4271915.54	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092290	634922.37	4271916.83	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092291	634930.71	4271918.11	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092292	634939.05	4271919.40	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092293	634947.40	4271920.69	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092294	634955.74	4271921.98	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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SLINE4	L0092295	634964.08	4271923.26	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092296	634972.06	4271925.99	7.65	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092297	634980.05	4271928.73	7.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092298	634988.03	4271931.48	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092299	634996.01	4271934.22	7.70	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092300	635003.99	4271936.97	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092301	635011.97	4271939.71	7.74	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092302	635019.95	4271942.45	7.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092303	635027.93	4271945.20	8.11	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092304	635035.92	4271947.94	8.36	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092305	635043.90	4271950.68	8.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092306	635051.88	4271953.43	8.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092307	635058.91	4271957.92	9.06	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092308	635065.54	4271963.14	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092309	635072.18	4271968.35	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092310	635078.82	4271973.57	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092311	635085.45	4271978.78	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092312	635092.09	4271983.99	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092313	635098.73	4271989.21	9.22	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092314	635105.36	4271994.42	9.26	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092315	635112.00	4271999.64	9.26	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092316	635118.64	4272004.85	9.22	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092317	635125.27	4272010.07	9.13	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092318	635131.91	4272015.28	9.06	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092319	635138.55	4272020.50	8.94	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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SLINE4	L0092320	635145.18	4272025.71	8.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092321	635151.82	4272030.92	8.70	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092322	635158.46	4272036.14	8.59	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092323	635165.09	4272041.35	8.47	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092324	635171.73	4272046.57	8.34	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092325	635176.73	4272053.33	8.22	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092326	635181.55	4272060.25	8.10	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092327	635186.37	4272067.18	7.98	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092328	635191.20	4272074.11	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092329	635196.02	4272081.03	7.39	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092330	635200.84	4272087.96	6.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092331	635205.67	4272094.88	5.45	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092332	635210.49	4272101.81	4.00	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092333	635215.31	4272108.74	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092334	635220.14	4272115.66	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092335	635224.96	4272122.59	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092336	635229.78	4272129.51	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092337	635234.61	4272136.44	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092338	635238.97	4272143.62	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092339	635242.13	4272151.44	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092340	635245.29	4272159.27	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092341	635248.45	4272167.09	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092342	635251.61	4272174.92	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092343	635254.77	4272182.75	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092344	635257.93	4272190.57	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092345	635261.09	4272198.40	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092346	635264.25	4272206.22	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092347	635267.41	4272214.05	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092348	635270.14	4272222.02	3.05	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092349	635272.48	4272230.13	3.30	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092350	635274.81	4272238.25	3.76	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092351	635277.15	4272246.36	4.21	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092352	635279.48	4272254.47	4.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092353	635281.82	4272262.58	4.91	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092354	635284.15	4272270.69	5.21	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092355	635286.49	4272278.80	5.53	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092356	635288.82	4272286.91	5.87	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092357	635291.15	4272295.02	6.25	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092358	635293.49	4272303.13	6.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092359	635295.82	4272311.24	7.00	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092360	635298.16	4272319.35	7.30	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092361	635300.49	4272327.46	7.51	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092362	635302.83	4272335.57	7.72	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092363	635305.16	4272343.68	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092364	635307.50	4272351.79	8.06	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092365	635309.83	4272359.91	8.17	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092366	635312.17	4272368.02	8.26	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092367	635314.50	4272376.13	8.37	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092368	635316.84	4272384.24	8.60	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092369	635319.17	4272392.35	8.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092370	635321.50	4272400.46	9.03	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092371	635323.84	4272408.57	9.16	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092372	635326.17	4272416.68	9.18	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092373	635328.51	4272424.79	9.18	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092374	635330.84	4272432.90	9.17	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092375	635333.18	4272441.01	9.15	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092376	635335.51	4272449.12	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092377	635337.85	4272457.23	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092378	635340.18	4272465.34	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092379	635342.52	4272473.46	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092380	635344.85	4272481.57	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092381	635347.18	4272489.68	9.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092382	635349.52	4272497.79	9.13	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092383	635351.85	4272505.90	9.08	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092384	635354.19	4272514.01	9.01	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092385	635356.52	4272522.12	8.94	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092386	635358.86	4272530.23	8.88	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092387	635361.19	4272538.34	8.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092388	635363.53	4272546.45	8.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092389	635365.86	4272554.56	8.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092390	635368.20	4272562.67	8.60	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092391	635370.53	4272570.78	8.36	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092392	635372.87	4272578.89	8.11	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092393	635375.20	4272587.00	7.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092394	635377.53	4272595.12	7.82	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092395	635379.87	4272603.23	7.74	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092396	635382.20	4272611.34	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092397	635384.54	4272619.45	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092398	635386.87	4272627.56	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092399	635389.21	4272635.67	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092400	635391.54	4272643.78	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092401	635393.88	4272651.89	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092402	635396.21	4272660.00	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092403	635398.55	4272668.11	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092404	635400.88	4272676.22	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092405	635403.21	4272684.33	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092406	635405.55	4272692.44	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092407	635407.88	4272700.55	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092408	635410.22	4272708.67	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092409	635412.55	4272716.78	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092410	635414.89	4272724.89	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092411	635417.22	4272733.00	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092412	635419.56	4272741.11	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092413	635421.89	4272749.22	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092414	635424.23	4272757.33	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092415	635426.56	4272765.44	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092416	635428.90	4272773.55	7.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092417	635431.23	4272781.66	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092418	635433.56	4272789.77	7.70	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092419	635435.90	4272797.88	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092420	635438.23	4272805.99	7.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092421	635440.57	4272814.10	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092422	635442.90	4272822.22	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092423	635445.24	4272830.33	7.66	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092424	635447.57	4272838.44	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092425	635449.91	4272846.55	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092426	635452.24	4272854.66	7.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092427	635454.58	4272862.77	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092428	635456.91	4272870.88	7.87	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092429	635459.24	4272878.99	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092430	635461.58	4272887.10	7.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092431	635463.91	4272895.21	7.92	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092432	635466.25	4272903.32	7.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092433	635468.58	4272911.43	7.70	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092434	635470.92	4272919.54	7.87	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092435	635473.25	4272927.65	8.31	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092436	635475.59	4272935.76	8.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092437	635477.92	4272943.88	9.21	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092438	635480.26	4272951.99	9.48	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092439	635482.59	4272960.10	9.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092440	635484.93	4272968.21	9.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092441	635487.26	4272976.32	9.98	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092442	635489.59	4272984.43	9.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092443	635491.93	4272992.54	9.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092444	635494.26	4273000.65	9.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092445	635496.60	4273008.76	9.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092446	635498.93	4273016.87	9.72	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092447	635501.27	4273024.98	9.61	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092448	635503.60	4273033.09	9.48	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092449	635505.94	4273041.20	9.43	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092450	635508.27	4273049.31	9.42	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092451	635510.61	4273057.43	9.42	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092452	635512.94	4273065.54	9.43	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092453	635515.27	4273073.65	9.35	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092454	635517.61	4273081.76	9.24	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092455	635519.94	4273089.87	9.13	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092456	635522.28	4273097.98	9.00	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092457	635524.61	4273106.09	8.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092458	635526.95	4273114.20	8.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092459	635529.28	4273122.31	8.43	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092460	635531.62	4273130.42	8.32	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092461	635533.95	4273138.53	8.24	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092462	635536.29	4273146.64	8.14	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092463	635538.62	4273154.75	8.04	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092464	635540.96	4273162.86	7.97	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092465	635543.29	4273170.97	7.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092466	635545.62	4273179.09	7.91	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092467	635547.96	4273187.20	7.88	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092468	635550.29	4273195.31	7.86	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092469	635551.89	4273203.52	7.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092470	635551.86	4273211.96	7.84	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092471	635551.83	4273220.40	7.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092472	635551.80	4273228.84	7.99	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092473	635551.77	4273237.28	8.07	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092474	635551.74	4273245.72	8.15	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092475	635551.71	4273254.16	8.20	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092476	635551.69	4273262.60	8.24	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092477	635551.66	4273271.04	8.29	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092478	635551.63	4273279.48	8.34	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092479	635551.60	4273287.92	8.41	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092480	635551.57	4273296.36	8.47	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092481	635548.55	4273303.60	8.52	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092482	635542.76	4273309.75	8.58	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092483	635536.97	4273315.89	8.65	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092484	635531.18	4273322.03	8.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092485	635525.39	4273328.17	8.77	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092486	635519.60	4273334.31	8.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092487	635513.81	4273340.45	8.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092488	635508.02	4273346.60	8.96	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092489	635500.39	4273345.91	8.95	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092490	635492.29	4273343.52	8.93	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092491	635484.20	4273341.13	8.90	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092492	635476.10	4273338.73	8.88	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092493	635468.01	4273336.34	8.85	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092494	635459.92	4273333.95	8.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0092495	635453.65	4273329.29	8.78	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092496	635449.58	4273321.90	8.71	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092497	635445.50	4273314.50	8.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092498	635441.43	4273307.11	8.56	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092499	635439.42	4273299.17	8.42	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092500	635439.30	4273290.73	8.25	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092501	635439.17	4273282.29	8.07	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092502	635439.04	4273273.86	7.91	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092503	635438.92	4273265.42	7.83	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092504	635441.65	4273258.19	7.75	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092505	635447.81	4273252.42	7.70	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092506	635453.97	4273246.65	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092507	635460.12	4273240.87	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092508	635466.28	4273235.10	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092509	635472.44	4273229.33	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092510	635479.28	4273224.56	7.62	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092511	635486.91	4273220.96	7.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092512	635494.54	4273217.36	7.63	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092513	635502.18	4273213.75	7.64	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092514	635509.81	4273210.15	7.68	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092515	635517.44	4273206.55	7.73	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092516	635525.07	4273202.94	7.81	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092517	635532.71	4273199.34	7.87	0.00	0.00145	8.44	Surface-Based	3.93	3.32
	L0092518	635540.34	4273195.74	7.91	0.00	0.00145	8.44	Surface-Based	3.93	3.32

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092519	635560.67	4273190.75	7.76	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092520	635567.74	4273188.27	7.68	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092521	635574.82	4273185.79	7.62	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092522	635581.90	4273183.31	7.63	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092523	635588.98	4273180.83	7.64	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092524	635596.06	4273178.35	7.64	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092525	635603.13	4273175.87	7.62	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092526	635610.21	4273173.39	7.71	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092527	635617.29	4273170.91	7.82	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092528	635624.37	4273168.43	7.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092529	635631.45	4273165.95	8.08	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092530	635638.53	4273163.50	8.23	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092531	635645.65	4273161.14	8.40	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092532	635652.77	4273158.78	8.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092533	635659.89	4273156.42	8.74	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092534	635667.01	4273154.06	8.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092535	635674.13	4273151.70	8.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092536	635681.25	4273149.34	8.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092537	635688.37	4273146.98	9.07	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092538	635695.49	4273144.62	9.15	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092539	635702.61	4273142.27	9.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092540	635709.73	4273139.91	9.22	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092541	635716.85	4273137.55	9.28	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092542	635723.97	4273135.19	9.34	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092543	635731.08	4273132.83	9.22	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092544	635738.20	4273130.47	9.10	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092545	635745.32	4273128.11	8.98	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092546	635752.45	4273125.77	8.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092547	635759.63	4273123.60	8.63	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092548	635766.81	4273121.43	8.39	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092549	635773.99	4273119.26	8.17	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092550	635781.17	4273117.09	7.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092551	635788.35	4273114.92	7.91	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092552	635795.52	4273112.75	7.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092553	635802.70	4273110.58	7.83	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092554	635809.88	4273108.41	7.78	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092555	635817.06	4273106.25	7.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092556	635824.24	4273104.08	7.79	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092557	635831.42	4273101.91	7.83	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092558	635838.60	4273099.74	7.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092559	635845.78	4273097.57	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092560	635852.96	4273095.40	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092561	635860.14	4273093.23	7.91	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092562	635867.32	4273091.06	7.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092563	635874.50	4273088.89	7.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092564	635881.68	4273086.72	7.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092565	635888.86	4273084.55	7.82	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092566	635896.04	4273082.38	7.80	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092567	635903.42	4273081.27	7.79	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092568	635910.89	4273080.69	7.81	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092569	635918.37	4273080.10	7.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092570	635925.85	4273079.51	7.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092571	635933.32	4273078.93	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092572	635940.80	4273078.34	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092573	635948.28	4273077.76	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092574	635955.75	4273077.17	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092575	635963.23	4273076.58	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092576	635970.71	4273076.00	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092577	635978.19	4273075.41	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092578	635985.66	4273074.82	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092579	635993.14	4273074.24	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092580	636000.62	4273073.65	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092581	636008.09	4273073.06	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092582	636015.57	4273072.48	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092583	636023.05	4273071.89	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092584	636030.52	4273071.30	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092585	636038.00	4273070.72	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092586	636045.48	4273070.13	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092587	636052.96	4273069.55	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092588	636060.43	4273068.96	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092589	636067.91	4273068.37	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092590	636075.39	4273067.79	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092591	636082.86	4273067.20	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092592	636090.34	4273066.61	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092593	636097.82	4273066.03	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092594	636105.30	4273065.44	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092595	636112.77	4273064.85	7.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092596	636120.25	4273064.27	7.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092597	636127.73	4273063.68	8.06	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092598	636135.20	4273063.09	8.13	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092599	636142.68	4273062.51	8.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092600	636150.16	4273061.92	8.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092601	636157.63	4273061.34	8.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092602	636165.11	4273060.75	8.22	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092603	636172.59	4273060.16	8.23	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092604	636180.07	4273059.58	8.29	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092605	636187.54	4273058.99	8.37	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092606	636195.02	4273058.40	8.44	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092607	636202.50	4273057.82	8.52	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092608	636209.97	4273057.23	8.55	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092609	636217.45	4273056.64	8.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092610	636224.93	4273056.06	8.60	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092611	636232.40	4273055.47	8.63	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092612	636239.88	4273054.88	8.68	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092613	636247.36	4273054.30	8.73	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092614	636254.84	4273053.71	8.78	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092615	636262.31	4273053.13	8.83	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092616	636269.80	4273052.62	8.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092617	636277.28	4273052.15	8.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092618	636284.77	4273051.68	8.93	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

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SLINE5	L0092619	636292.25	4273051.21	8.97	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092620	636299.74	4273050.73	8.98	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092621	636307.22	4273050.26	8.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092622	636314.71	4273049.79	8.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092623	636322.19	4273049.32	9.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092624	636329.68	4273048.85	9.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092625	636337.16	4273048.38	9.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092626	636344.65	4273047.90	9.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092627	636352.13	4273047.43	9.02	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092628	636359.62	4273046.96	8.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092629	636367.10	4273046.49	8.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092630	636374.59	4273046.02	8.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092631	636382.07	4273045.55	8.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092632	636389.56	4273045.07	8.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092633	636397.04	4273044.60	8.97	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092634	636404.53	4273044.13	9.05	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092635	636412.01	4273043.66	9.12	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092636	636419.50	4273043.19	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092637	636426.98	4273042.71	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092638	636434.47	4273042.24	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092639	636441.95	4273041.77	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092640	636449.44	4273041.30	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092641	636456.92	4273040.83	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092642	636464.41	4273040.36	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092643	636471.89	4273039.88	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

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SLINE5	L0092644	636479.38	4273039.41	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092645	636486.87	4273038.94	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092646	636494.35	4273038.47	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092647	636501.84	4273038.00	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092648	636509.32	4273037.53	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092649	636516.81	4273037.05	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092650	636524.29	4273036.58	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092651	636531.78	4273036.11	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092652	636539.26	4273035.64	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092653	636546.75	4273035.17	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092654	636554.23	4273034.70	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092655	636561.72	4273034.22	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092656	636569.20	4273033.75	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092657	636576.69	4273033.28	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092658	636584.17	4273032.81	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092659	636591.66	4273032.34	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092660	636599.14	4273031.86	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092661	636606.63	4273031.39	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092662	636614.11	4273030.92	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092663	636621.60	4273030.45	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092664	636629.08	4273029.98	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092665	636636.57	4273029.51	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092666	636644.05	4273029.03	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092667	636651.54	4273028.56	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092668	636659.02	4273028.09	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092669	636666.51	4273027.62	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092670	636673.99	4273027.15	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092671	636681.48	4273026.68	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092672	636688.96	4273026.20	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092673	636696.45	4273025.73	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092674	636703.93	4273025.26	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092675	636711.42	4273024.79	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092676	636718.90	4273024.32	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092677	636726.39	4273023.84	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092678	636733.88	4273023.37	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092679	636741.36	4273022.90	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092680	636748.85	4273022.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092681	636756.33	4273021.96	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092682	636763.82	4273021.49	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092683	636771.30	4273021.01	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092684	636778.79	4273020.54	9.12	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092685	636786.27	4273020.07	9.08	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092686	636793.76	4273019.60	9.04	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092687	636801.24	4273019.13	9.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092688	636808.73	4273018.66	8.96	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092689	636816.21	4273018.18	8.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092690	636823.70	4273017.71	8.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092691	636831.18	4273017.24	8.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092692	636838.64	4273017.72	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092693	636846.07	4273018.68	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092694	636853.51	4273019.65	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092695	636860.95	4273020.61	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092696	636868.39	4273021.58	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092697	636875.82	4273022.54	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092698	636883.26	4273023.51	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092699	636890.70	4273024.47	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092700	636898.14	4273025.43	8.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092701	636905.58	4273026.40	8.87	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092702	636913.01	4273027.36	8.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092703	636920.45	4273028.33	8.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092704	636927.89	4273029.29	8.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092705	636935.33	4273030.26	8.87	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092706	636942.76	4273031.22	8.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092707	636950.20	4273032.19	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092708	636957.64	4273033.15	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092709	636965.08	4273034.12	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092710	636972.51	4273035.08	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092711	636979.95	4273036.04	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092712	636987.39	4273037.01	8.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092713	636994.83	4273037.97	8.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092714	637002.27	4273038.94	8.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092715	637009.70	4273039.90	8.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092716	637017.14	4273040.87	8.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092717	637024.58	4273041.83	8.91	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092718	637032.02	4273042.80	8.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092719	637039.45	4273043.76	8.93	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092720	637046.89	4273044.73	8.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092721	637054.33	4273045.69	8.95	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092722	637061.77	4273046.65	8.96	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092723	637069.21	4273047.62	8.97	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092724	637076.64	4273048.58	8.98	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092725	637084.08	4273049.55	8.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092726	637091.52	4273050.51	9.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092727	637098.96	4273051.48	9.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092728	637106.39	4273052.44	9.03	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092729	637113.83	4273053.41	9.07	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092730	637121.27	4273054.37	9.10	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092731	637128.71	4273055.33	9.13	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092732	637136.14	4273056.30	9.24	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092733	637143.58	4273057.26	9.58	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092734	637151.02	4273058.23	9.91	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092735	637158.46	4273059.19	10.23	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092736	637165.90	4273060.16	10.53	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092737	637173.33	4273061.12	10.77	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092738	637180.77	4273062.09	11.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092739	637188.21	4273063.05	11.20	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092740	637195.65	4273064.02	11.32	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092741	637203.08	4273064.98	11.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092742	637210.52	4273065.94	11.09	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092743	637217.96	4273066.91	11.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092744	637225.40	4273067.87	10.97	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092745	637232.84	4273068.84	11.12	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092746	637240.27	4273069.80	11.28	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092747	637247.71	4273070.77	11.44	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092748	637255.15	4273071.73	11.63	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092749	637262.59	4273072.70	11.93	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092750	637270.02	4273073.66	12.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092751	637277.46	4273074.63	12.47	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092752	637284.90	4273075.59	12.66	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092753	637292.34	4273076.55	12.56	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092754	637299.77	4273077.52	12.48	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092755	637307.21	4273078.48	12.40	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092756	637314.65	4273079.45	12.37	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092757	637322.09	4273080.41	12.55	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092758	637329.53	4273081.38	12.73	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092759	637336.96	4273082.34	12.92	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092760	637344.40	4273083.31	13.10	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092761	637351.84	4273084.27	13.03	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092762	637359.28	4273085.23	12.95	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092763	637366.71	4273086.20	12.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092764	637374.15	4273087.16	12.80	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092765	637381.59	4273088.13	12.83	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092766	637389.01	4273089.21	12.87	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092767	637396.34	4273090.81	12.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092768	637403.66	4273092.40	13.03	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

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SLINE5	L0092769	637410.99	4273093.99	13.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092770	637418.32	4273095.59	12.95	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092771	637425.65	4273097.18	12.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092772	637432.98	4273098.77	12.77	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092773	637440.31	4273100.37	12.68	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092774	637447.64	4273101.96	12.59	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092775	637454.97	4273103.55	12.50	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092776	637462.29	4273105.15	12.41	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092777	637469.62	4273106.74	12.22	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092778	637476.95	4273108.33	12.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092779	637483.07	4273104.13	11.81	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092780	637489.15	4273099.74	11.55	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092781	637495.23	4273095.35	11.27	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092782	637501.31	4273090.96	11.13	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092783	637507.39	4273086.57	11.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092784	637513.47	4273082.18	10.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092785	637519.55	4273077.79	10.82	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092786	637525.63	4273073.40	10.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092787	637531.71	4273069.00	10.71	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092788	637537.79	4273064.61	10.66	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092789	637543.87	4273060.22	10.60	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092790	637548.98	4273054.94	10.55	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092791	637552.84	4273048.51	10.50	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092792	637556.70	4273042.08	10.44	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092793	637560.56	4273035.65	10.37	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092794	637564.42	4273029.22	10.27	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092795	637568.28	4273022.79	10.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092796	637572.14	4273016.35	10.10	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092797	637576.00	4273009.92	10.04	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092798	637579.85	4273003.49	10.00	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092799	637583.71	4272997.06	9.98	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092800	637587.57	4272990.63	9.97	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092801	637591.43	4272984.20	9.95	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092802	637594.06	4272977.42	9.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092803	637594.12	4272969.92	9.79	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092804	637594.18	4272962.42	9.69	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092805	637594.23	4272954.92	9.59	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092806	637594.29	4272947.42	9.48	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092807	637594.34	4272939.92	9.43	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092808	637594.40	4272932.42	9.41	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092809	637594.46	4272924.92	9.39	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092810	637594.51	4272917.42	9.37	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092811	637594.57	4272909.92	9.34	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092812	637594.63	4272902.42	9.32	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092813	637594.68	4272894.92	9.29	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092814	637594.74	4272887.42	9.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092815	637594.80	4272879.93	9.24	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092816	637594.85	4272872.43	9.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092817	637594.91	4272864.93	9.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092818	637594.97	4272857.43	9.15	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092819	637595.02	4272849.93	9.16	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092820	637595.08	4272842.43	9.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092821	637595.13	4272834.93	9.22	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092822	637595.19	4272827.43	9.25	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092823	637595.25	4272819.93	9.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092824	637595.30	4272812.43	9.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092825	637595.36	4272804.93	9.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092826	637595.42	4272797.43	9.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092827	637595.47	4272789.93	9.24	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092828	637595.53	4272782.43	9.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092829	637595.59	4272774.93	9.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092830	637595.64	4272767.43	9.15	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092831	637595.70	4272759.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092832	637595.75	4272752.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092833	637595.81	4272744.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092834	637595.87	4272737.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092835	637595.92	4272729.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092836	637595.98	4272722.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092837	637596.04	4272714.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092838	637596.09	4272707.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092839	637596.15	4272699.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092840	637596.21	4272692.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092841	637596.26	4272684.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092842	637596.32	4272677.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092843	637596.37	4272669.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092844	637596.43	4272662.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092845	637596.49	4272654.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092846	637596.54	4272647.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092847	637596.60	4272639.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092848	637596.66	4272632.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092849	637596.71	4272624.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092850	637596.77	4272617.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092851	637596.83	4272609.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092852	637596.88	4272602.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092853	637596.94	4272594.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092854	637597.00	4272587.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092855	637597.05	4272579.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092856	637597.11	4272572.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092857	637597.16	4272564.93	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092858	637597.22	4272557.43	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092859	637597.28	4272549.93	9.12	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092860	637597.33	4272542.43	9.09	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092861	637597.39	4272534.93	9.05	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092862	637597.45	4272527.44	9.02	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092863	637597.50	4272519.94	9.03	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092864	637597.56	4272512.44	9.06	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092865	637597.62	4272504.94	9.10	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092866	637597.67	4272497.44	9.13	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092867	637597.73	4272489.94	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092868	637597.78	4272482.44	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092869	637597.84	4272474.94	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092870	637597.90	4272467.44	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092871	637597.94	4272459.94	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092872	637597.94	4272452.44	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092873	637597.94	4272444.94	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092874	637597.94	4272437.44	9.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092875	637597.94	4272429.94	9.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092876	637597.94	4272422.44	9.32	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092877	637597.94	4272414.94	9.43	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092878	637597.94	4272407.44	9.53	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092879	637597.94	4272399.94	9.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092880	637597.94	4272392.44	9.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092881	637597.94	4272384.94	9.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092882	637597.94	4272377.44	9.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092883	637597.94	4272369.94	9.55	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092884	637597.94	4272362.44	9.51	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092885	637599.61	4272356.64	9.52	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092886	637607.11	4272356.78	9.71	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092887	637614.61	4272356.92	9.88	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092888	637622.11	4272357.06	9.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092889	637629.61	4272357.21	10.10	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092890	637637.10	4272357.35	10.21	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092891	637644.60	4272357.49	10.30	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092892	637652.10	4272357.63	10.11	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092893	637659.60	4272357.77	9.93	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092894	637667.10	4272357.91	9.76	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092895	637674.60	4272358.05	9.56	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092896	637682.10	4272358.20	9.07	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092897	637689.60	4272358.34	8.58	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092898	637697.09	4272358.48	8.08	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092899	637704.59	4272358.62	7.69	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092900	637712.09	4272358.76	8.53	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092901	637719.59	4272358.90	9.36	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092902	637727.09	4272359.05	10.20	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092903	637734.59	4272359.19	10.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092904	637742.09	4272359.33	11.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092905	637749.58	4272359.47	11.53	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092906	637757.08	4272359.61	11.80	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092907	637764.58	4272359.75	12.05	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092908	637772.08	4272359.89	12.16	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092909	637779.58	4272360.04	12.28	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092910	637787.08	4272360.18	12.39	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092911	637794.58	4272360.32	12.49	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092912	637802.08	4272360.46	12.41	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092913	637809.57	4272360.60	12.34	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092914	637817.07	4272360.74	12.26	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092915	637824.57	4272360.88	12.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092916	637832.07	4272361.03	12.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092917	637839.57	4272361.17	12.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092918	637847.07	4272361.31	12.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092919	637854.57	4272361.45	12.19	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092920	637862.06	4272361.59	12.16	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092921	637869.56	4272361.73	12.12	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092922	637877.06	4272361.87	12.09	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092923	637884.56	4272362.02	12.06	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092924	637892.06	4272362.16	12.02	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092925	637899.56	4272362.30	11.97	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092926	637907.06	4272362.44	11.93	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092927	637914.55	4272362.58	11.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092928	637922.05	4272362.72	11.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092929	637929.55	4272362.87	11.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092930	637937.05	4272363.01	11.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092931	637944.55	4272363.15	11.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092932	637952.05	4272363.29	11.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092933	637959.55	4272363.43	11.98	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092934	637967.05	4272363.57	12.03	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092935	637974.54	4272363.71	12.08	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092936	637982.04	4272363.86	12.11	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092937	637989.54	4272364.00	12.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092938	637997.04	4272364.14	12.17	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092939	638004.54	4272364.28	12.20	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092940	638010.85	4272363.19	12.23	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092941	638010.98	4272355.69	12.22	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092942	638011.11	4272348.20	12.20	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092943	638011.25	4272340.70	12.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092944	638011.38	4272333.20	12.16	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092945	638011.51	4272325.70	12.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092946	638011.64	4272318.20	12.12	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092947	638011.77	4272310.70	12.04	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092948	638011.90	4272303.20	11.91	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092949	638012.03	4272295.70	11.77	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092950	638012.16	4272288.20	11.64	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092951	638012.29	4272280.71	11.54	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092952	638012.42	4272273.21	11.46	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092953	638012.55	4272265.71	11.39	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092954	638012.69	4272258.21	11.31	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092955	638012.82	4272250.71	11.23	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092956	638012.95	4272243.21	11.16	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092957	638013.08	4272235.71	11.08	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092958	638013.21	4272228.21	11.01	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092959	638013.34	4272220.71	10.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092960	638013.47	4272213.22	10.89	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092961	638013.60	4272205.72	10.84	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092962	638013.73	4272198.22	10.79	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092963	638013.86	4272190.72	10.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092964	638013.99	4272183.22	10.73	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092965	638014.13	4272175.72	10.71	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092966	638014.26	4272168.22	10.68	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092967	638014.39	4272160.72	10.63	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092968	638014.52	4272153.23	10.55	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092969	638014.65	4272145.73	10.47	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092970	638014.78	4272138.23	10.40	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092971	638014.91	4272130.73	10.36	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092972	638015.04	4272123.23	10.36	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092973	638015.17	4272115.73	10.36	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092974	638015.30	4272108.23	10.36	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092975	638015.43	4272100.73	10.32	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092976	638015.57	4272093.23	10.24	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092977	638015.70	4272085.74	10.17	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092978	638015.83	4272078.24	10.09	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092979	638015.96	4272070.74	10.02	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092980	638016.09	4272063.24	9.94	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092981	638016.22	4272055.74	9.86	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092982	638016.35	4272048.24	9.79	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092983	638016.48	4272040.74	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092984	638016.61	4272033.24	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092985	638016.74	4272025.74	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092986	638016.87	4272018.25	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092987	638017.00	4272010.75	9.71	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092988	638017.14	4272003.25	9.64	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092989	638017.27	4271995.75	9.56	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092990	638017.40	4271988.25	9.48	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092991	638017.53	4271980.75	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092992	638017.66	4271973.25	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092993	638017.79	4271965.75	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0092994	638017.92	4271958.25	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092995	638018.05	4271950.76	9.41	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092996	638018.18	4271943.26	9.33	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092997	638018.31	4271935.76	9.25	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092998	638018.44	4271928.26	9.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0092999	638018.58	4271920.76	8.85	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093000	638018.71	4271913.26	8.31	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093001	638018.84	4271905.76	7.78	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093002	638018.97	4271898.26	7.25	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093003	638019.10	4271890.77	7.35	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093004	638019.23	4271883.27	7.96	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093005	638019.36	4271875.77	8.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093006	638019.49	4271868.27	9.18	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093007	638019.62	4271860.77	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093008	638019.75	4271853.27	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093009	638019.88	4271845.77	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093010	638020.02	4271838.27	9.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093011	638020.15	4271830.77	9.49	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093012	638020.28	4271823.28	9.57	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093013	638020.41	4271815.78	9.64	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093014	638020.54	4271808.28	9.72	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093015	638020.67	4271800.78	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093016	638020.80	4271793.28	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093017	638020.93	4271785.78	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093018	638021.06	4271778.28	9.75	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0093019	638021.19	4271770.78	9.77	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093020	638021.32	4271763.28	9.80	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093021	638021.46	4271755.79	9.83	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093022	638021.59	4271748.29	9.87	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093023	638021.72	4271740.79	9.90	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093024	638021.85	4271733.29	9.95	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093025	638021.98	4271725.79	9.99	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093026	638022.11	4271718.29	10.04	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093027	638022.24	4271710.79	10.14	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093028	638022.37	4271703.29	10.29	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093029	638022.50	4271695.79	10.45	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093030	638022.63	4271688.30	10.60	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093031	638022.76	4271680.80	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093032	638022.89	4271673.30	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093033	638023.03	4271665.80	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093034	638023.16	4271658.30	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093035	638023.29	4271650.80	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093036	638023.42	4271643.30	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093037	638023.55	4271635.80	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093038	638023.68	4271628.31	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093039	638023.81	4271620.81	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093040	638023.94	4271613.31	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093041	638024.07	4271605.81	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093042	638024.20	4271598.31	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093043	638024.33	4271590.81	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0093044	638024.47	4271583.31	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093045	638024.60	4271575.81	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093046	638024.73	4271568.31	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093047	638024.86	4271560.82	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093048	638024.99	4271553.32	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093049	638025.12	4271545.82	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093050	638025.25	4271538.32	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093051	638025.38	4271530.82	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093052	638025.51	4271523.32	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093053	638025.64	4271515.82	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093054	638025.77	4271508.32	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093055	638025.91	4271500.82	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093056	638026.04	4271493.33	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093057	638026.17	4271485.83	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093058	638026.30	4271478.33	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093059	638026.43	4271470.83	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093060	638026.56	4271463.33	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093061	638026.69	4271455.83	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093062	638026.82	4271448.33	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093063	638026.95	4271440.83	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093064	638027.08	4271433.33	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093065	638027.21	4271425.84	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093066	638027.35	4271418.34	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093067	638027.48	4271410.84	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093068	638027.61	4271403.34	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0093069	638027.74	4271395.84	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093070	638027.87	4271388.34	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093071	638028.00	4271380.84	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093072	638028.13	4271373.34	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093073	638028.26	4271365.85	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093074	638028.39	4271358.35	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093075	638028.52	4271350.85	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093076	638028.65	4271343.35	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093077	638028.79	4271335.85	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093078	638028.92	4271328.35	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093079	638029.05	4271320.85	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093080	638029.18	4271313.35	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093081	638029.31	4271305.85	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093082	638029.44	4271298.36	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093083	638029.57	4271290.86	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093084	638029.70	4271283.36	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093085	638029.83	4271275.86	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093086	638029.96	4271268.36	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093087	638030.09	4271260.86	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093088	638030.22	4271253.36	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093089	638030.36	4271245.86	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093090	638030.49	4271238.36	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093091	638030.62	4271230.87	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093092	638030.75	4271223.37	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093093	638030.88	4271215.87	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0093094	638031.01	4271208.37	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093095	638031.14	4271200.87	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093096	638031.27	4271193.37	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093097	638031.40	4271185.87	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093098	638031.53	4271178.37	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093099	638031.66	4271170.87	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093100	638031.80	4271163.38	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093101	638031.93	4271155.88	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093102	638032.06	4271148.38	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093103	638032.19	4271140.88	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093104	638032.32	4271133.38	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093105	638032.45	4271125.88	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093106	638032.58	4271118.38	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093107	638032.71	4271110.88	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093108	638032.84	4271103.39	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093109	638032.97	4271095.89	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093110	638033.10	4271088.39	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093111	638033.24	4271080.89	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093112	638033.37	4271073.39	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093113	638033.50	4271065.89	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093114	638033.63	4271058.39	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093115	638033.76	4271050.89	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093116	638033.89	4271043.39	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093117	638034.02	4271035.90	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093118	638034.15	4271028.40	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0093119	638034.28	4271020.90	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093120	638034.41	4271013.40	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093121	638034.54	4271005.90	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093122	638034.68	4270998.40	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093123	638034.81	4270990.90	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093124	638034.94	4270983.40	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093125	638035.07	4270975.90	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093126	638035.20	4270968.41	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093127	638035.33	4270960.91	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093128	638035.46	4270953.41	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093129	638035.59	4270945.91	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093130	638035.72	4270938.41	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093131	638035.85	4270930.91	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093132	638035.98	4270923.41	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093133	638036.11	4270915.91	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093134	638036.25	4270908.41	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093135	638036.38	4270900.92	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093136	638036.51	4270893.42	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093137	638036.64	4270885.92	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093138	638036.77	4270878.42	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093139	638036.90	4270870.92	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093140	638037.03	4270863.42	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093141	638037.16	4270855.92	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093142	638037.29	4270848.42	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093143	638037.42	4270840.93	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0093144	638037.55	4270833.43	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093145	638037.69	4270825.93	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093146	638037.82	4270818.43	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093147	638037.95	4270810.93	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093148	638038.08	4270803.43	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093149	638038.21	4270795.93	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093150	638038.34	4270788.43	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093151	638038.47	4270780.93	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093152	638038.60	4270773.44	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093153	638038.73	4270765.94	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58
	L0093154	638038.86	4270758.44	10.67	0.00	0.00157	7.50	Surface-Based	3.49	1.58

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093155	633691.74	4271138.87	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093156	633689.09	4271130.86	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093157	633686.45	4271122.84	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093158	633683.80	4271114.83	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093159	633681.16	4271106.81	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093160	633678.51	4271098.80	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093161	633675.87	4271090.78	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093162	633673.22	4271082.77	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093163	633670.58	4271074.75	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093164	633667.93	4271066.74	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093165	633665.29	4271058.72	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093166	633662.64	4271050.71	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093167	633660.00	4271042.69	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093168	633657.35	4271034.68	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093169	633654.71	4271026.66	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093170	633652.06	4271018.65	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093171	633649.42	4271010.63	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093172	633646.77	4271002.62	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093173	633644.13	4270994.60	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093174	633641.48	4270986.59	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093175	633638.84	4270978.57	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093176	633636.19	4270970.56	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093177	633633.55	4270962.54	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093178	633630.91	4270954.53	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093179	633628.26	4270946.51	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093180	633625.62	4270938.50	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093181	633622.97	4270930.48	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093182	633620.33	4270922.47	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093183	633617.68	4270914.45	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093184	633615.04	4270906.44	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093185	633612.39	4270898.42	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093186	633609.75	4270890.41	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093187	633607.10	4270882.39	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093188	633604.46	4270874.38	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093189	633601.81	4270866.36	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093190	633599.17	4270858.35	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093191	633596.52	4270850.34	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093192	633593.88	4270842.32	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093193	633591.23	4270834.31	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093194	633588.59	4270826.29	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093195	633585.94	4270818.28	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093196	633583.30	4270810.26	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093197	633580.65	4270802.25	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093198	633578.01	4270794.23	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093199	633575.36	4270786.22	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093200	633572.72	4270778.20	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093201	633570.07	4270770.19	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093202	633567.43	4270762.17	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093203	633564.78	4270754.16	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093204	633562.14	4270746.14	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093205	633559.49	4270738.13	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093206	633556.85	4270730.11	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093207	633554.20	4270722.10	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093208	633551.56	4270714.08	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093209	633548.91	4270706.07	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093210	633546.27	4270698.05	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093211	633543.62	4270690.04	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093212	633540.98	4270682.02	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093213	633538.33	4270674.01	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093214	633535.69	4270665.99	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093215	633533.04	4270657.98	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093216	633530.40	4270649.96	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093217	633527.75	4270641.95	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093218	633525.11	4270633.93	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093219	633522.46	4270625.92	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093220	633519.82	4270617.90	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093221	633517.17	4270609.89	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093222	633514.53	4270601.87	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093223	633511.88	4270593.86	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093224	633509.24	4270585.84	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093225	633506.59	4270577.83	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093226	633503.95	4270569.81	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093227	633501.30	4270561.80	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093228	633503.71	4270556.68	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093229	633511.96	4270554.91	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093230	633520.21	4270553.14	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093231	633528.46	4270551.37	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093232	633536.72	4270549.60	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093233	633542.08	4270552.74	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093234	633544.52	4270560.82	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093235	633546.96	4270568.90	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093236	633549.40	4270576.98	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093237	633551.84	4270585.06	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093238	633554.27	4270593.13	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093239	633556.71	4270601.21	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093240	633559.15	4270609.29	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093241	633561.59	4270617.37	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093242	633564.03	4270625.45	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093243	633566.47	4270633.53	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093244	633568.91	4270641.61	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093245	633571.35	4270649.69	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093246	633573.79	4270657.77	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093247	633576.23	4270665.85	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093248	633578.67	4270673.93	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093249	633581.11	4270682.01	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093250	633583.55	4270690.09	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093251	633585.99	4270698.17	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093252	633588.43	4270706.25	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093253	633590.87	4270714.33	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093254	633593.31	4270722.41	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093255	633595.75	4270730.49	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093256	633598.19	4270738.57	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093257	633600.63	4270746.65	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093258	633603.07	4270754.73	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093259	633605.51	4270762.81	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093260	633607.95	4270770.89	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093261	633610.39	4270778.97	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093262	633612.83	4270787.05	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093263	633615.27	4270795.13	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093264	633617.71	4270803.21	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093265	633620.15	4270811.29	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093266	633622.59	4270819.36	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093267	633625.03	4270827.44	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093268	633627.47	4270835.52	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093269	633629.91	4270843.60	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093270	633632.35	4270851.68	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093271	633634.79	4270859.76	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093272	633637.23	4270867.84	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093273	633639.67	4270875.92	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093274	633642.11	4270884.00	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093275	633644.55	4270892.08	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093276	633646.99	4270900.16	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093277	633649.43	4270908.24	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093278	633651.87	4270916.32	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093279	633654.31	4270924.40	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093280	633656.75	4270932.48	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093281	633659.19	4270940.56	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093282	633661.63	4270948.64	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093283	633664.07	4270956.72	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093284	633666.51	4270964.80	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093285	633668.95	4270972.88	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093286	633671.39	4270980.96	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093287	633673.83	4270989.04	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093288	633676.27	4270997.12	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093289	633678.71	4271005.20	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093290	633681.15	4271013.28	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093291	633683.59	4271021.36	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0093292	633686.03	4271029.44	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093293	633688.47	4271037.51	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093294	633690.91	4271045.59	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093295	633693.35	4271053.67	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093296	633695.79	4271061.75	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093297	633698.23	4271069.83	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093298	633700.67	4271077.91	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093299	633703.11	4271085.99	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093300	633705.55	4271094.07	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093301	633707.99	4271102.15	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093302	633710.43	4271110.23	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093303	633712.87	4271118.31	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093304	633715.31	4271126.39	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93
	L0093305	633717.75	4271134.47	7.62	1.70	0.00662	8.44	Surface-Based	3.93	1.93

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: VOL	List of Sources in Group (Source Range or Single Sources)
	VOL3673
	VOL3674
	VOL3675
	VOL3676
	VOL3874
	VOL3875
	VOL3876
	VOL3877
	VOL3878
	VOL3879
	VOL3880
	VOL4075
	VOL4076
	VOL4077
	VOL4078
	VOL4079
	VOL4080
	VOL4081
	VOL4082
	VOL4083
	VOL4276
	VOL4277
	VOL4278
	VOL4279
	VOL4280
	VOL4281
	VOL4282
	VOL4283
	VOL4284
	VOL4285
	VOL4286
	VOL4478
	VOL4479
	VOL4480
	VOL4481
	VOL4482
	VOL4483
	VOL4484
	VOL4485
	VOL4486
	VOL4487
	VOL4488
	VOL4680
	VOL4681

VOL4682
VOL4683
VOL4684
VOL4685
VOL4686
VOL4687
VOL4688
VOL4689
VOL4690
VOL4882
VOL4883
VOL4884
VOL4885
VOL4886
VOL4887
VOL4888
VOL4889
VOL4890
VOL4891
VOL4892
VOL5085
VOL5086
VOL5087
VOL5088
VOL5089
VOL5090
VOL5091
VOL5092
VOL5093
VOL5094
VOL5287
VOL5288
VOL5289
VOL5290
VOL5291
VOL5292
VOL5293
VOL5294
VOL5295
VOL5296
VOL5297
VOL5490
VOL5491
VOL5492
VOL5493
VOL5494
VOL5495

VOL5496
VOL5497
VOL5498
VOL5499
VOL5693
VOL5694
VOL5695
VOL5696
VOL5697
VOL5698
VOL5699
VOL5700
VOL5701
VOL5895
VOL5896
VOL5897
VOL5898
VOL5899
VOL5900
VOL5901
VOL5902
VOL5903
VOL6097
VOL6098
VOL6099
VOL6100
VOL6101
VOL6102
VOL6103
VOL6104
VOL6105
VOL6298
VOL6299
VOL6300
VOL6301
VOL6302
VOL6303
VOL6304
VOL6305
VOL6306
VOL6307
VOL6498
VOL6499
VOL6500
VOL6501
VOL6502
VOL6503

VOL6504
VOL6505
VOL6506
VOL6507
VOL6508
VOL6509
VOL6699
VOL6700
VOL6701
VOL6702
VOL6703
VOL6704
VOL6705
VOL6706
VOL6707
VOL6708
VOL6709
VOL6710
VOL6711
VOL6900
VOL6901
VOL6902
VOL6903
VOL6907
VOL6908
VOL6909
VOL6910
VOL6911
VOL6912
VOL6913
VOL7101
VOL7102
VOL7103
VOL7109
VOL7110
VOL7111
VOL7112
VOL7113
VOL7114
VOL7115
VOL7302
VOL7303
VOL7311
VOL7312
VOL7313
VOL7314
VOL7315

VOL7316
VOL7317
VOL7513
VOL7514
VOL7515
VOL7516
VOL7517
VOL7518
VOL7519
VOL7716
VOL7717
VOL7718
VOL7719
VOL7720
VOL7721
VOL7918
VOL7919
VOL7920
VOL7921
VOL7922
VOL7923
VOL8120
VOL8121
VOL8122
VOL8123
VOL8124
VOL8125
VOL8322
VOL8323
VOL8324
VOL8325
VOL8326
VOL8327
VOL8524
VOL8525
VOL8526
VOL8527
VOL8528
VOL8529
VOL8726
VOL8727
VOL8728
VOL8729
VOL8730
VOL8731
VOL8928
VOL8929

VOL8930
VOL8931
VOL8932
VOL8933
VOL9130
VOL9131
VOL9132
VOL9133
VOL9134
VOL9135
VOL9332
VOL9333
VOL9334
VOL9335
VOL9336
VOL9337
VOL9534
VOL9535
VOL9536
VOL9537
VOL9538
VOL9539
VOL9736
VOL9737
VOL9738
VOL9739
VOL9740
VOL9741
VOL9938
VOL9939
VOL9940
VOL9941
VOL9942
VOL9943
VOL10140
VOL10141
VOL10142
VOL10143
VOL10144
VOL10145
VOL10342
VOL10343
VOL10344
VOL10345
VOL10346
VOL10347
VOL10544

VOL10545
VOL10546
VOL10547
VOL10548
VOL10549
VOL10746
VOL10747
VOL10748
VOL10749
VOL10750
VOL10751
VOL10948
VOL10949
VOL10950
VOL10951
VOL10952
VOL10953
VOL11150
VOL11151
VOL11152
VOL11153
VOL11154
VOL11155
VOL11352
VOL11353
VOL11354
VOL11355
VOL11356
VOL11357
VOL11554
VOL11555
VOL11556
VOL11557
VOL11558
VOL11559
VOL11756
VOL11757
VOL11758
VOL11759
VOL11760
VOL11761
VOL11958
VOL11959
VOL11960
VOL11961
VOL11962
VOL11963

VOL12160
VOL12161
VOL12162
VOL12163
VOL12164
VOL12165
VOL12362
VOL12363
VOL12364
VOL12365
VOL12366
VOL12367
VOL12564
VOL12565
VOL12566
VOL12567
VOL12568
VOL12569
VOL12766
VOL12767
VOL12768
VOL12769
VOL12770
VOL12771
VOL12772
VOL12969
VOL12970
VOL12971
VOL12972
VOL12973
VOL12974
VOL13171
VOL13172
VOL13173
VOL13174
VOL13175
VOL13176
VOL13177
VOL13373
VOL13374
VOL13375
VOL13376
VOL13377
VOL13378
VOL13379
VOL13380
VOL13576

	VOL13577
	VOL13578
	VOL13579
	VOL13580
	VOL13581
	VOL13582
	VOL13778
	VOL13779
	VOL13780
	VOL13781
	VOL13782
	VOL13783
	VOL13980
	VOL13981
	VOL13982
	VOL13983
	VOL13984
	VOL14183
	VOL14184
	VOL14185
	VOL14385
	VOL14386

Source Group ID: **SLINE**	List of Sources in Group (Source Range or Single Sources)
	SLINE1
	SLINE4
	SLINE5
	SLINE6

Source Group ID: **ALL**	List of Sources in Group (Source Range or Single Sources)
	All Sources Included

Variable Emissions

Source Pathway

Hourly Emission Rate Variation

Scenario: SLINE

Source ID:	SLINE1						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	SLINE4						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	SLINE5						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	SLINE6						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Scenario: VOL

Source ID:	VOL3673						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL3674						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL3675						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL3676						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3874**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3875**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3876**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3877**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3878**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3879**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3880**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL3880						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4075**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4076**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4077**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4078**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4079**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4080**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4081**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4082						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4083						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4276						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4277						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4278						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4279						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4280						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4281						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL4281						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4282**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4283**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4284**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4285**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4286**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4478**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4479**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL4479						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4480**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4481**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4482**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4483**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4484**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4485**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4486**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4487						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4488**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4680**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4681**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4682**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4683**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4684**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4685**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL4685						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4686**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4687**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4688**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4689**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4690**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4882**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4883**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4884					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4885					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4886					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4887					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4888					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4889					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4890					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4891					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4891						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4892**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5085**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5086**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5087**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5088**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5089**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5090**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL5090						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5091**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5092**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5093**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5094**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5287**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5288**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5289**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL5290						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5291**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5292**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5293**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5294**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5295**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5296**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5297**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL5297						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5490**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5491**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5492**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5493**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5494**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5495**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5496**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5497					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5498					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5499					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5693					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5694					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5695					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5696					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5697					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL5697						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5698**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5699**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5700**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5701**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5895**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5896**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5897**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL5897						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5898**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5899**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5900**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5901**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5902**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5903**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6097**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL6098						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6099**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6100**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6101**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6102**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6103**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6104**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6105**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL6105						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6298**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6299**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6300**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6301**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6302**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6303**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6304**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6305						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6306						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6307						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6498						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6499						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6500						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6501						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6502						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6502						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6503**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6504**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6505**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6506**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6507**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6508**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6509**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL6509						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6699**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6700**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6701**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6702**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6703**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6704**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6705**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL6706						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6707**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6708**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6709**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6710**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6711**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6900**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6901**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL6901						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6902**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6903**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6907**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6908**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6909**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6910**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6911**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6912						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6913						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7101						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7102						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7103						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7109						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7110						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7111						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL7111						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7112**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7113**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7114**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7115**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7302**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7303**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7311**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL7311						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7312						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7313						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7314						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7315						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7316						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7317						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7513						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL7514						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7515**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7516**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7517**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7518**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7519**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7716**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7717**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL7717						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7718**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7719**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7720**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7721**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7918**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7919**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7920**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7921						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7922						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7923						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8120						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8121						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8122						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8123						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8124						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8124						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8125**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8322**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8323**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8324**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8325**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8326**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8327**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL8327					
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8524					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8525					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8526					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8527					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8528					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8529					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8726					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL8727						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8728**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8729**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8730**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8731**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8928**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8929**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8930**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL8930						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8931**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8932**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8933**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9130**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9131**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9132**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9133**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9134						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9135						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9332						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9333						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9334						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9335						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9336						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9337						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9337						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9534**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9535**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9536**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9537**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9538**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9539**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9736**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL9736						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9737**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9738**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9739**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9740**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9741**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9938**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9939**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9940						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9941						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9942						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9943						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10140						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10141						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10142						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10143						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL10143						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10144**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10145**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10342**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10343**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10344**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10345**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10346**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10347						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10544						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10545						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10546						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10547						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10548						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10549						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10746						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL10746						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10747**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10748**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10749**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10750**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10751**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10948**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10949**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL10949					
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10950					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10951					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10952					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10953					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11150					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11151					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11152					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11153						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11154						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11155						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11352						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11353						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11354						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11355						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11356						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL11356						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11357**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11554**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11555**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11556**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11557**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11558**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11559**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL11756						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11757**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11758**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11759**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11760**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11761**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11958**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11959**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	**VOL11959**						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11960**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11961**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11962**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11963**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12160**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12161**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12162**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL12162					
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12163					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12164					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12165					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12362					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12363					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12364					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12365					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL12366						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12367**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12564**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12565**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12566**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12567**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12568**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12569**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL12569						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12766**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12767**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12768**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12769**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12770**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12771**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12772**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12969						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12970**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12971**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12972**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12973**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12974**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13171**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13172**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL13172						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13173**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13174**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13175**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13176**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13177**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13373**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13374**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL13374						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13375**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13376**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13377**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13378**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13379**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13380**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13576**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL13577						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13578**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13579**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13580**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13581**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13582**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13778**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13779**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL13779						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13780**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13781**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13782**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13783**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13980**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13981**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13982**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL13983						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13984						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14183						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14184						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14185						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14385						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14386						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	636726.16	4269592.29	UCART1	10.99	
2	636766.16	4269592.29	UCART1	11.98	
3	637006.16	4269592.29	UCART1	11.05	
4	637046.16	4269592.29	UCART1	10.95	
5	637086.16	4269592.29	UCART1	10.67	
6	637126.16	4269592.29	UCART1	10.44	
7	637166.16	4269592.29	UCART1	10.27	
8	637206.16	4269592.29	UCART1	9.93	
9	637246.16	4269592.29	UCART1	9.53	
10	637286.16	4269592.29	UCART1	9.12	
11	637326.16	4269592.29	UCART1	8.72	
12	636766.16	4269632.29	UCART1	11.89	
13	637006.16	4269632.29	UCART1	11.23	
14	637046.16	4269632.29	UCART1	10.95	
15	637086.16	4269632.29	UCART1	10.67	
16	637126.16	4269632.29	UCART1	10.44	
17	637166.16	4269632.29	UCART1	10.05	
18	637206.16	4269632.29	UCART1	9.76	
19	637246.16	4269632.29	UCART1	9.35	
20	637286.16	4269632.29	UCART1	8.95	
21	637326.16	4269632.29	UCART1	8.54	
22	636686.16	4269672.29	UCART1	11.30	
23	637006.16	4269672.29	UCART1	11.36	
24	637046.16	4269672.29	UCART1	10.97	
25	637086.16	4269672.29	UCART1	10.83	
26	637126.16	4269672.29	UCART1	10.44	
27	637166.16	4269672.29	UCART1	10.04	
28	637206.16	4269672.29	UCART1	9.63	
29	637246.16	4269672.29	UCART1	9.22	
30	637286.16	4269672.29	UCART1	8.82	

31	637326.16	4269672.29	UCART1	8.41
32	636686.16	4269712.29	UCART1	11.58
33	636726.16	4269712.29	UCART1	11.71
34	636766.16	4269712.29	UCART1	11.94
35	637046.16	4269712.29	UCART1	11.26
36	637246.16	4269712.29	UCART1	9.15
37	637286.16	4269712.29	UCART1	8.74
38	637326.16	4269712.29	UCART1	8.37
39	636686.16	4269752.29	UCART1	11.60
40	636726.16	4269752.29	UCART1	11.81
41	636766.16	4269752.29	UCART1	12.11
42	636806.16	4269752.29	UCART1	11.43
43	637006.16	4269752.29	UCART1	11.84
44	637086.16	4269752.29	UCART1	10.85
45	637126.16	4269752.29	UCART1	10.31
46	637166.16	4269752.29	UCART1	9.85
47	637286.16	4269752.29	UCART1	8.51
48	637326.16	4269752.29	UCART1	8.16
49	637646.16	4269752.29	UCART1	8.71
50	637686.16	4269752.29	UCART1	8.83
51	637726.16	4269752.29	UCART1	9.02
52	637766.16	4269752.29	UCART1	9.14
53	637806.16	4269752.29	UCART1	9.22
54	636686.16	4269792.29	UCART1	11.86
55	636726.16	4269792.29	UCART1	11.89
56	636766.16	4269792.29	UCART1	12.11
57	636806.16	4269792.29	UCART1	12.03
58	636846.16	4269792.29	UCART1	11.83
59	637046.16	4269792.29	UCART1	11.26
60	637086.16	4269792.29	UCART1	10.74
61	637126.16	4269792.29	UCART1	10.14
62	637166.16	4269792.29	UCART1	9.73
63	637286.16	4269792.29	UCART1	8.51
64	637326.16	4269792.29	UCART1	8.11
65	637646.16	4269792.29	UCART1	9.14
66	637686.16	4269792.29	UCART1	9.41
67	637726.16	4269792.29	UCART1	9.63
68	637766.16	4269792.29	UCART1	9.42

69	637806.16	4269792.29	UCART1	9.43
70	636526.16	4269832.29	UCART1	10.67
71	636566.16	4269832.29	UCART1	10.78
72	636686.16	4269832.29	UCART1	12.18
73	636726.16	4269832.29	UCART1	11.93
74	636766.16	4269832.29	UCART1	12.06
75	636806.16	4269832.29	UCART1	12.12
76	636846.16	4269832.29	UCART1	11.79
77	636966.16	4269832.29	UCART1	12.10
78	637006.16	4269832.29	UCART1	11.85
79	637046.16	4269832.29	UCART1	11.26
80	637086.16	4269832.29	UCART1	10.72
81	637126.16	4269832.29	UCART1	10.14
82	637166.16	4269832.29	UCART1	9.73
83	637206.16	4269832.29	UCART1	9.32
84	637246.16	4269832.29	UCART1	8.92
85	637286.16	4269832.29	UCART1	8.42
86	637326.16	4269832.29	UCART1	7.89
87	637646.16	4269832.29	UCART1	9.48
88	637686.16	4269832.29	UCART1	10.08
89	637726.16	4269832.29	UCART1	10.27
90	637766.16	4269832.29	UCART1	10.13
91	637806.16	4269832.29	UCART1	10.01
92	636566.16	4269872.29	UCART1	11.00
93	636686.16	4269872.29	UCART1	12.19
94	636726.16	4269872.29	UCART1	12.14
95	636766.16	4269872.29	UCART1	12.06
96	636806.16	4269872.29	UCART1	12.07
97	636846.16	4269872.29	UCART1	11.62
98	637006.16	4269872.29	UCART1	11.87
99	637046.16	4269872.29	UCART1	11.24
100	637086.16	4269872.29	UCART1	10.62
101	637126.16	4269872.29	UCART1	10.14
102	637166.16	4269872.29	UCART1	9.73
103	637206.16	4269872.29	UCART1	9.25
104	637246.16	4269872.29	UCART1	8.74
105	637286.16	4269872.29	UCART1	8.21
106	637646.16	4269872.29	UCART1	9.67

107	637686.16	4269872.29	UCART1	10.41
108	637726.16	4269872.29	UCART1	10.67
109	637766.16	4269872.29	UCART1	10.53
110	637806.16	4269872.29	UCART1	10.31
111	636566.16	4269912.29	UCART1	11.00
112	636646.16	4269912.29	UCART1	11.83
113	636686.16	4269912.29	UCART1	11.93
114	636726.16	4269912.29	UCART1	12.19
115	636766.16	4269912.29	UCART1	12.19
116	636806.16	4269912.29	UCART1	12.19
117	637046.16	4269912.29	UCART1	10.98
118	637086.16	4269912.29	UCART1	10.54
119	637126.16	4269912.29	UCART1	9.93
120	637166.16	4269912.29	UCART1	9.45
121	637206.16	4269912.29	UCART1	9.04
122	637246.16	4269912.29	UCART1	8.61
123	637286.16	4269912.29	UCART1	8.21
124	637606.16	4269912.29	UCART1	9.27
125	637646.16	4269912.29	UCART1	9.80
126	637686.16	4269912.29	UCART1	10.49
127	637726.16	4269912.29	UCART1	10.67
128	637766.16	4269912.29	UCART1	10.67
129	637806.16	4269912.29	UCART1	10.53
130	637086.16	4269952.29	UCART1	10.24
131	637126.16	4269952.29	UCART1	9.83
132	637166.16	4269952.29	UCART1	9.42
133	637206.16	4269952.29	UCART1	8.95
134	637246.16	4269952.29	UCART1	8.54
135	637286.16	4269952.29	UCART1	7.92
136	637606.16	4269952.29	UCART1	9.37
137	637646.16	4269952.29	UCART1	10.08
138	637686.16	4269952.29	UCART1	10.44
139	637726.16	4269952.29	UCART1	10.67
140	637766.16	4269952.29	UCART1	10.66
141	637806.16	4269952.29	UCART1	10.50
142	637846.16	4269952.29	UCART1	10.36
143	636766.16	4269992.29	UCART1	11.76
144	636806.16	4269992.29	UCART1	11.38

145	637086.16	4269992.29	UCART1	10.06
146	637126.16	4269992.29	UCART1	9.79
147	637166.16	4269992.29	UCART1	9.40
148	637206.16	4269992.29	UCART1	8.72
149	637246.16	4269992.29	UCART1	8.31
150	637286.16	4269992.29	UCART1	7.91
151	637606.16	4269992.29	UCART1	9.55
152	637646.16	4269992.29	UCART1	10.06
153	637686.16	4269992.29	UCART1	10.23
154	637766.16	4269992.29	UCART1	10.66
155	637806.16	4269992.29	UCART1	10.54
156	637846.16	4269992.29	UCART1	10.54
157	633686.16	4270032.29	UCART1	7.32
158	633726.16	4270032.29	UCART1	7.32
159	633766.16	4270032.29	UCART1	7.32
160	633806.16	4270032.29	UCART1	7.32
161	633846.16	4270032.29	UCART1	7.34
162	636246.16	4270032.29	UCART1	10.67
163	636286.16	4270032.29	UCART1	10.67
164	636326.16	4270032.29	UCART1	10.65
165	636366.16	4270032.29	UCART1	10.39
166	636406.16	4270032.29	UCART1	10.37
167	636766.16	4270032.29	UCART1	11.38
168	636806.16	4270032.29	UCART1	11.23
169	636886.16	4270032.29	UCART1	10.67
170	636926.16	4270032.29	UCART1	10.67
171	636966.16	4270032.29	UCART1	10.68
172	637166.16	4270032.29	UCART1	9.42
173	637206.16	4270032.29	UCART1	8.88
174	637246.16	4270032.29	UCART1	8.31
175	637566.16	4270032.29	UCART1	9.37
176	637606.16	4270032.29	UCART1	9.75
177	637646.16	4270032.29	UCART1	10.06
178	637686.16	4270032.29	UCART1	10.18
179	637766.16	4270032.29	UCART1	10.67
180	637806.16	4270032.29	UCART1	10.67
181	637846.16	4270032.29	UCART1	10.67
182	633566.16	4270072.29	UCART1	7.25

183	633606.16	4270072.29	UCART1	7.32
184	633646.16	4270072.29	UCART1	7.32
185	633686.16	4270072.29	UCART1	7.32
186	633726.16	4270072.29	UCART1	7.32
187	633766.16	4270072.29	UCART1	7.32
188	633806.16	4270072.29	UCART1	7.32
189	633846.16	4270072.29	UCART1	7.35
190	636246.16	4270072.29	UCART1	10.52
191	636286.16	4270072.29	UCART1	10.35
192	636326.16	4270072.29	UCART1	10.36
193	636366.16	4270072.29	UCART1	10.36
194	636406.16	4270072.29	UCART1	10.36
195	636606.16	4270072.29	UCART1	11.07
196	636646.16	4270072.29	UCART1	11.26
197	636686.16	4270072.29	UCART1	11.51
198	636726.16	4270072.29	UCART1	11.41
199	636766.16	4270072.29	UCART1	11.22
200	636806.16	4270072.29	UCART1	10.95
201	636846.16	4270072.29	UCART1	10.67
202	636886.16	4270072.29	UCART1	10.67
203	636926.16	4270072.29	UCART1	10.67
204	636966.16	4270072.29	UCART1	10.67
205	637006.16	4270072.29	UCART1	10.67
206	637046.16	4270072.29	UCART1	10.35
207	637086.16	4270072.29	UCART1	10.10
208	637246.16	4270072.29	UCART1	8.39
209	637566.16	4270072.29	UCART1	9.82
210	637606.16	4270072.29	UCART1	10.13
211	637646.16	4270072.29	UCART1	10.13
212	637686.16	4270072.29	UCART1	10.15
213	637726.16	4270072.29	UCART1	10.34
214	637806.16	4270072.29	UCART1	10.33
215	637846.16	4270072.29	UCART1	10.29
216	637886.16	4270072.29	UCART1	10.29
217	637926.16	4270072.29	UCART1	10.29
218	637966.16	4270072.29	UCART1	10.06
219	633606.16	4270112.29	UCART1	7.21
220	633646.16	4270112.29	UCART1	7.32

221	633686.16	4270112.29	UCART1	7.32
222	633726.16	4270112.29	UCART1	7.32
223	633766.16	4270112.29	UCART1	7.32
224	633806.16	4270112.29	UCART1	7.32
225	633846.16	4270112.29	UCART1	7.44
226	636246.16	4270112.29	UCART1	9.95
227	636286.16	4270112.29	UCART1	10.06
228	636326.16	4270112.29	UCART1	10.20
229	636406.16	4270112.29	UCART1	10.36
230	636446.16	4270112.29	UCART1	10.67
231	636606.16	4270112.29	UCART1	10.97
232	636646.16	4270112.29	UCART1	11.07
233	636686.16	4270112.29	UCART1	11.28
234	636726.16	4270112.29	UCART1	11.21
235	636766.16	4270112.29	UCART1	11.01
236	636806.16	4270112.29	UCART1	10.79
237	636846.16	4270112.29	UCART1	10.67
238	636886.16	4270112.29	UCART1	10.67
239	636926.16	4270112.29	UCART1	10.67
240	636966.16	4270112.29	UCART1	10.67
241	637006.16	4270112.29	UCART1	10.67
242	637046.16	4270112.29	UCART1	10.54
243	637086.16	4270112.29	UCART1	10.42
244	637126.16	4270112.29	UCART1	10.10
245	637166.16	4270112.29	UCART1	9.72
246	637206.16	4270112.29	UCART1	9.12
247	637246.16	4270112.29	UCART1	8.52
248	637566.16	4270112.29	UCART1	10.25
249	637606.16	4270112.29	UCART1	10.54
250	637646.16	4270112.29	UCART1	10.35
251	637686.16	4270112.29	UCART1	10.23
252	637726.16	4270112.29	UCART1	10.33
253	637806.16	4270112.29	UCART1	10.13
254	637846.16	4270112.29	UCART1	9.93
255	637886.16	4270112.29	UCART1	9.88
256	637926.16	4270112.29	UCART1	9.88
257	637966.16	4270112.29	UCART1	9.66
258	633606.16	4270152.29	UCART1	7.02

259	633646.16	4270152.29	UCART1	7.24
260	633686.16	4270152.29	UCART1	7.32
261	633726.16	4270152.29	UCART1	7.32
262	633766.16	4270152.29	UCART1	7.32
263	633806.16	4270152.29	UCART1	7.32
264	633846.16	4270152.29	UCART1	7.44
265	633886.16	4270152.29	UCART1	7.62
266	636246.16	4270152.29	UCART1	9.76
267	636286.16	4270152.29	UCART1	9.99
268	636326.16	4270152.29	UCART1	10.06
269	636406.16	4270152.29	UCART1	10.36
270	636446.16	4270152.29	UCART1	10.67
271	636606.16	4270152.29	UCART1	10.97
272	636646.16	4270152.29	UCART1	10.97
273	636686.16	4270152.29	UCART1	11.00
274	636726.16	4270152.29	UCART1	10.99
275	636766.16	4270152.29	UCART1	10.97
276	636846.16	4270152.29	UCART1	10.67
277	636886.16	4270152.29	UCART1	10.67
278	636926.16	4270152.29	UCART1	10.67
279	636966.16	4270152.29	UCART1	10.67
280	637006.16	4270152.29	UCART1	10.67
281	637046.16	4270152.29	UCART1	10.67
282	637086.16	4270152.29	UCART1	10.66
283	637126.16	4270152.29	UCART1	10.42
284	637166.16	4270152.29	UCART1	10.01
285	637206.16	4270152.29	UCART1	9.48
286	637246.16	4270152.29	UCART1	8.69
287	637606.16	4270152.29	UCART1	10.67
288	637646.16	4270152.29	UCART1	10.64
289	637686.16	4270152.29	UCART1	10.64
290	637726.16	4270152.29	UCART1	10.64
291	637766.16	4270152.29	UCART1	10.64
292	637846.16	4270152.29	UCART1	9.55
293	637886.16	4270152.29	UCART1	9.48
294	637926.16	4270152.29	UCART1	9.48
295	637966.16	4270152.29	UCART1	9.46
296	638006.16	4270152.29	UCART1	9.19

297	633246.16	4270192.29	UCART1	6.43
298	633286.16	4270192.29	UCART1	6.48
299	633326.16	4270192.29	UCART1	6.71
300	633486.16	4270192.29	UCART1	7.01
301	633526.16	4270192.29	UCART1	7.01
302	633566.16	4270192.29	UCART1	7.01
303	633606.16	4270192.29	UCART1	7.13
304	633646.16	4270192.29	UCART1	7.32
305	633686.16	4270192.29	UCART1	7.32
306	633726.16	4270192.29	UCART1	7.32
307	633766.16	4270192.29	UCART1	7.32
308	633806.16	4270192.29	UCART1	7.32
309	633846.16	4270192.29	UCART1	7.32
310	633886.16	4270192.29	UCART1	7.54
311	636246.16	4270192.29	UCART1	9.57
312	636286.16	4270192.29	UCART1	9.98
313	636326.16	4270192.29	UCART1	10.06
314	636366.16	4270192.29	UCART1	10.23
315	636406.16	4270192.29	UCART1	10.36
316	636446.16	4270192.29	UCART1	10.60
317	636566.16	4270192.29	UCART1	10.68
318	636606.16	4270192.29	UCART1	10.90
319	636646.16	4270192.29	UCART1	10.95
320	636686.16	4270192.29	UCART1	10.97
321	636726.16	4270192.29	UCART1	10.94
322	636806.16	4270192.29	UCART1	10.67
323	636846.16	4270192.29	UCART1	10.67
324	637006.16	4270192.29	UCART1	10.67
325	637046.16	4270192.29	UCART1	10.67
326	637086.16	4270192.29	UCART1	10.67
327	637126.16	4270192.29	UCART1	10.67
328	637166.16	4270192.29	UCART1	10.40
329	637206.16	4270192.29	UCART1	9.78
330	637246.16	4270192.29	UCART1	8.92
331	637566.16	4270192.29	UCART1	10.18
332	637646.16	4270192.29	UCART1	10.59
333	637686.16	4270192.29	UCART1	10.50
334	637726.16	4270192.29	UCART1	10.31

335	637766.16	4270192.29	UCART1	9.94
336	637806.16	4270192.29	UCART1	9.32
337	637886.16	4270192.29	UCART1	9.37
338	637926.16	4270192.29	UCART1	9.28
339	637966.16	4270192.29	UCART1	9.20
340	638006.16	4270192.29	UCART1	9.53
341	633126.16	4270232.29	UCART1	6.22
342	633166.16	4270232.29	UCART1	6.53
343	633206.16	4270232.29	UCART1	6.58
344	633486.16	4270232.29	UCART1	7.01
345	633526.16	4270232.29	UCART1	7.01
346	633566.16	4270232.29	UCART1	7.01
347	633606.16	4270232.29	UCART1	7.13
348	633766.16	4270232.29	UCART1	7.32
349	633806.16	4270232.29	UCART1	7.32
350	636246.16	4270232.29	UCART1	9.57
351	636286.16	4270232.29	UCART1	9.98
352	636326.16	4270232.29	UCART1	10.24
353	636366.16	4270232.29	UCART1	10.36
354	636406.16	4270232.29	UCART1	10.49
355	636446.16	4270232.29	UCART1	10.55
356	636566.16	4270232.29	UCART1	10.67
357	636606.16	4270232.29	UCART1	10.67
358	636646.16	4270232.29	UCART1	10.76
359	636686.16	4270232.29	UCART1	10.80
360	636766.16	4270232.29	UCART1	10.67
361	636806.16	4270232.29	UCART1	10.67
362	636846.16	4270232.29	UCART1	10.67
363	636886.16	4270232.29	UCART1	10.67
364	636926.16	4270232.29	UCART1	10.67
365	636966.16	4270232.29	UCART1	10.67
366	637046.16	4270232.29	UCART1	10.67
367	637086.16	4270232.29	UCART1	10.67
368	637126.16	4270232.29	UCART1	10.67
369	637166.16	4270232.29	UCART1	10.48
370	637206.16	4270232.29	UCART1	10.38
371	637246.16	4270232.29	UCART1	10.00
372	637566.16	4270232.29	UCART1	10.36

373	637606.16	4270232.29	UCART1	10.36
374	637686.16	4270232.29	UCART1	10.36
375	637726.16	4270232.29	UCART1	10.14
376	637766.16	4270232.29	UCART1	9.73
377	637806.16	4270232.29	UCART1	9.40
378	637886.16	4270232.29	UCART1	9.14
379	637926.16	4270232.29	UCART1	9.14
380	637966.16	4270232.29	UCART1	9.37
381	638006.16	4270232.29	UCART1	10.33
382	638046.16	4270232.29	UCART1	10.47
383	633086.16	4270272.29	UCART1	6.37
384	633126.16	4270272.29	UCART1	6.50
385	633166.16	4270272.29	UCART1	6.70
386	633206.16	4270272.29	UCART1	6.71
387	633486.16	4270272.29	UCART1	7.01
388	636286.16	4270272.29	UCART1	10.05
389	636326.16	4270272.29	UCART1	10.36
390	636366.16	4270272.29	UCART1	10.36
391	636406.16	4270272.29	UCART1	10.59
392	636446.16	4270272.29	UCART1	10.67
393	636566.16	4270272.29	UCART1	10.67
394	636606.16	4270272.29	UCART1	10.67
395	636646.16	4270272.29	UCART1	10.67
396	636686.16	4270272.29	UCART1	10.67
397	636766.16	4270272.29	UCART1	10.67
398	636806.16	4270272.29	UCART1	10.67
399	636846.16	4270272.29	UCART1	10.67
400	636886.16	4270272.29	UCART1	10.67
401	636926.16	4270272.29	UCART1	10.67
402	636966.16	4270272.29	UCART1	10.67
403	637046.16	4270272.29	UCART1	10.67
404	637166.16	4270272.29	UCART1	10.32
405	637206.16	4270272.29	UCART1	9.70
406	637246.16	4270272.29	UCART1	9.33
407	637566.16	4270272.29	UCART1	10.53
408	637606.16	4270272.29	UCART1	10.36
409	637646.16	4270272.29	UCART1	10.36
410	637726.16	4270272.29	UCART1	10.07

411	637766.16	4270272.29	UCART1	9.75
412	637806.16	4270272.29	UCART1	9.61
413	637846.16	4270272.29	UCART1	9.43
414	637926.16	4270272.29	UCART1	9.14
415	637966.16	4270272.29	UCART1	9.16
416	638006.16	4270272.29	UCART1	9.82
417	638046.16	4270272.29	UCART1	10.49
418	638086.16	4270272.29	UCART1	11.07
419	638126.16	4270272.29	UCART1	10.93
420	633086.16	4270312.29	UCART1	6.42
421	633126.16	4270312.29	UCART1	6.77
422	633166.16	4270312.29	UCART1	7.03
423	633206.16	4270312.29	UCART1	7.08
424	633246.16	4270312.29	UCART1	6.92
425	636286.16	4270312.29	UCART1	10.28
426	636366.16	4270312.29	UCART1	10.67
427	636446.16	4270312.29	UCART1	10.67
428	636566.16	4270312.29	UCART1	10.67
429	636606.16	4270312.29	UCART1	10.67
430	636646.16	4270312.29	UCART1	10.67
431	636686.16	4270312.29	UCART1	10.67
432	636766.16	4270312.29	UCART1	10.67
433	636806.16	4270312.29	UCART1	10.66
434	636846.16	4270312.29	UCART1	10.59
435	636886.16	4270312.29	UCART1	10.42
436	636926.16	4270312.29	UCART1	10.36
437	637006.16	4270312.29	UCART1	10.59
438	637046.16	4270312.29	UCART1	10.67
439	637086.16	4270312.29	UCART1	10.64
440	637126.16	4270312.29	UCART1	10.37
441	637166.16	4270312.29	UCART1	10.52
442	637566.16	4270312.29	UCART1	10.54
443	637606.16	4270312.29	UCART1	10.42
444	637646.16	4270312.29	UCART1	10.36
445	637686.16	4270312.29	UCART1	10.24
446	637766.16	4270312.29	UCART1	9.75
447	637806.16	4270312.29	UCART1	9.66
448	637846.16	4270312.29	UCART1	9.47

449	637886.16	4270312.29	UCART1	9.43
450	637966.16	4270312.29	UCART1	9.14
451	638006.16	4270312.29	UCART1	9.46
452	638046.16	4270312.29	UCART1	10.79
453	638086.16	4270312.29	UCART1	11.37
454	638126.16	4270312.29	UCART1	11.35
455	638166.16	4270312.29	UCART1	11.23
456	638206.16	4270312.29	UCART1	11.05
457	638246.16	4270312.29	UCART1	11.05
458	633086.16	4270352.29	UCART1	6.44
459	633126.16	4270352.29	UCART1	7.06
460	633166.16	4270352.29	UCART1	7.32
461	633206.16	4270352.29	UCART1	7.47
462	633246.16	4270352.29	UCART1	7.19
463	636286.16	4270352.29	UCART1	10.28
464	636366.16	4270352.29	UCART1	10.67
465	636446.16	4270352.29	UCART1	10.67
466	636566.16	4270352.29	UCART1	10.67
467	636606.16	4270352.29	UCART1	10.67
468	636646.16	4270352.29	UCART1	10.67
469	636686.16	4270352.29	UCART1	10.67
470	636726.16	4270352.29	UCART1	10.67
471	636766.16	4270352.29	UCART1	10.67
472	636846.16	4270352.29	UCART1	10.36
473	636886.16	4270352.29	UCART1	10.36
474	636926.16	4270352.29	UCART1	10.36
475	637006.16	4270352.29	UCART1	10.59
476	637046.16	4270352.29	UCART1	10.67
477	637086.16	4270352.29	UCART1	10.54
478	637126.16	4270352.29	UCART1	10.14
479	637166.16	4270352.29	UCART1	10.07
480	637606.16	4270352.29	UCART1	10.63
481	637646.16	4270352.29	UCART1	10.53
482	637686.16	4270352.29	UCART1	10.31
483	637886.16	4270352.29	UCART1	9.45
484	637926.16	4270352.29	UCART1	9.40
485	638046.16	4270352.29	UCART1	10.10
486	638086.16	4270352.29	UCART1	11.83

487	638126.16	4270352.29	UCART1	11.92
488	638166.16	4270352.29	UCART1	11.71
489	638206.16	4270352.29	UCART1	11.63
490	638246.16	4270352.29	UCART1	11.60
491	633086.16	4270392.29	UCART1	6.47
492	636286.16	4270392.29	UCART1	10.28
493	636366.16	4270392.29	UCART1	10.67
494	636406.16	4270392.29	UCART1	10.67
495	636446.16	4270392.29	UCART1	10.67
496	636526.16	4270392.29	UCART1	10.67
497	636646.16	4270392.29	UCART1	10.67
498	636686.16	4270392.29	UCART1	10.67
499	636726.16	4270392.29	UCART1	10.67
500	636766.16	4270392.29	UCART1	10.67
501	636846.16	4270392.29	UCART1	10.25
502	636886.16	4270392.29	UCART1	10.09
503	636966.16	4270392.29	UCART1	10.48
504	637006.16	4270392.29	UCART1	10.66
505	637046.16	4270392.29	UCART1	10.65
506	637086.16	4270392.29	UCART1	10.38
507	637166.16	4270392.29	UCART1	10.06
508	637206.16	4270392.29	UCART1	10.15
509	637606.16	4270392.29	UCART1	10.67
510	637646.16	4270392.29	UCART1	10.65
511	637686.16	4270392.29	UCART1	10.36
512	637726.16	4270392.29	UCART1	10.14
513	637926.16	4270392.29	UCART1	9.73
514	637966.16	4270392.29	UCART1	9.93
515	638006.16	4270392.29	UCART1	9.98
516	638086.16	4270392.29	UCART1	10.76
517	638126.16	4270392.29	UCART1	11.93
518	638166.16	4270392.29	UCART1	12.17
519	638206.16	4270392.29	UCART1	12.17
520	638246.16	4270392.29	UCART1	11.86
521	633886.16	4270432.29	UCART1	7.01
522	633926.16	4270432.29	UCART1	7.24
523	636286.16	4270432.29	UCART1	10.28
524	636326.16	4270432.29	UCART1	10.67

525	636366.16	4270432.29	UCART1	10.67
526	636406.16	4270432.29	UCART1	10.67
527	636446.16	4270432.29	UCART1	10.65
528	636526.16	4270432.29	UCART1	10.36
529	636606.16	4270432.29	UCART1	10.67
530	636646.16	4270432.29	UCART1	10.67
531	636766.16	4270432.29	UCART1	10.44
532	636846.16	4270432.29	UCART1	10.06
533	636886.16	4270432.29	UCART1	10.06
534	636926.16	4270432.29	UCART1	10.29
535	636966.16	4270432.29	UCART1	10.49
536	637006.16	4270432.29	UCART1	10.67
537	637046.16	4270432.29	UCART1	10.67
538	637126.16	4270432.29	UCART1	10.21
539	637166.16	4270432.29	UCART1	10.37
540	637206.16	4270432.29	UCART1	10.53
541	637606.16	4270432.29	UCART1	10.61
542	637646.16	4270432.29	UCART1	10.58
543	637686.16	4270432.29	UCART1	10.36
544	637726.16	4270432.29	UCART1	10.19
545	637766.16	4270432.29	UCART1	10.06
546	637966.16	4270432.29	UCART1	10.61
547	638006.16	4270432.29	UCART1	10.86
548	638046.16	4270432.29	UCART1	10.53
549	638086.16	4270432.29	UCART1	10.67
550	638166.16	4270432.29	UCART1	11.17
551	638206.16	4270432.29	UCART1	11.84
552	638246.16	4270432.29	UCART1	12.04
553	638286.16	4270432.29	UCART1	11.03
554	633766.16	4270472.29	UCART1	7.04
555	633806.16	4270472.29	UCART1	7.01
556	633846.16	4270472.29	UCART1	7.01
557	633886.16	4270472.29	UCART1	7.01
558	633926.16	4270472.29	UCART1	7.01
559	636206.16	4270472.29	UCART1	9.47
560	636526.16	4270472.29	UCART1	10.36
561	636606.16	4270472.29	UCART1	10.67
562	636646.16	4270472.29	UCART1	10.67

563	636686.16	4270472.29	UCART1	10.67
564	636726.16	4270472.29	UCART1	10.60
565	636766.16	4270472.29	UCART1	10.40
566	636926.16	4270472.29	UCART1	10.24
567	636966.16	4270472.29	UCART1	10.49
568	637006.16	4270472.29	UCART1	10.67
569	637046.16	4270472.29	UCART1	10.67
570	637126.16	4270472.29	UCART1	10.53
571	637166.16	4270472.29	UCART1	10.55
572	637206.16	4270472.29	UCART1	10.67
573	637606.16	4270472.29	UCART1	10.00
574	637646.16	4270472.29	UCART1	10.36
575	637686.16	4270472.29	UCART1	10.36
576	637726.16	4270472.29	UCART1	10.36
577	637766.16	4270472.29	UCART1	10.06
578	637886.16	4270472.29	UCART1	10.26
579	637926.16	4270472.29	UCART1	10.59
580	637966.16	4270472.29	UCART1	10.67
581	638046.16	4270472.29	UCART1	10.67
582	638086.16	4270472.29	UCART1	10.67
583	638126.16	4270472.29	UCART1	10.67
584	638166.16	4270472.29	UCART1	10.72
585	633686.16	4270512.29	UCART1	7.32
586	633726.16	4270512.29	UCART1	7.19
587	633766.16	4270512.29	UCART1	7.01
588	633806.16	4270512.29	UCART1	7.01
589	633846.16	4270512.29	UCART1	7.01
590	633886.16	4270512.29	UCART1	7.01
591	633926.16	4270512.29	UCART1	7.01
592	636206.16	4270512.29	UCART1	9.47
593	636286.16	4270512.29	UCART1	10.58
594	636326.16	4270512.29	UCART1	10.67
595	636366.16	4270512.29	UCART1	10.78
596	636406.16	4270512.29	UCART1	10.74
597	636526.16	4270512.29	UCART1	10.29
598	636566.16	4270512.29	UCART1	10.39
599	636606.16	4270512.29	UCART1	10.67
600	636646.16	4270512.29	UCART1	10.67

601	636686.16	4270512.29	UCART1	10.67
602	636726.16	4270512.29	UCART1	10.54
603	636766.16	4270512.29	UCART1	10.16
604	636806.16	4270512.29	UCART1	10.06
605	636846.16	4270512.29	UCART1	10.06
606	637006.16	4270512.29	UCART1	10.67
607	637046.16	4270512.29	UCART1	10.65
608	637086.16	4270512.29	UCART1	10.49
609	637126.16	4270512.29	UCART1	10.66
610	637166.16	4270512.29	UCART1	10.67
611	637206.16	4270512.29	UCART1	10.67
612	637646.16	4270512.29	UCART1	10.62
613	637686.16	4270512.29	UCART1	10.36
614	637726.16	4270512.29	UCART1	10.36
615	637766.16	4270512.29	UCART1	10.34
616	637806.16	4270512.29	UCART1	10.34
617	637966.16	4270512.29	UCART1	10.67
618	638006.16	4270512.29	UCART1	10.67
619	638046.16	4270512.29	UCART1	10.67
620	638126.16	4270512.29	UCART1	10.67
621	633646.16	4270552.29	UCART1	7.32
622	633686.16	4270552.29	UCART1	7.32
623	633726.16	4270552.29	UCART1	7.22
624	633766.16	4270552.29	UCART1	7.03
625	633806.16	4270552.29	UCART1	7.01
626	633846.16	4270552.29	UCART1	7.01
627	633886.16	4270552.29	UCART1	6.96
628	633926.16	4270552.29	UCART1	6.94
629	636206.16	4270552.29	UCART1	9.56
630	636286.16	4270552.29	UCART1	10.53
631	636326.16	4270552.29	UCART1	10.67
632	636366.16	4270552.29	UCART1	10.70
633	636406.16	4270552.29	UCART1	10.63
634	636526.16	4270552.29	UCART1	10.28
635	636606.16	4270552.29	UCART1	10.64
636	636646.16	4270552.29	UCART1	10.48
637	636686.16	4270552.29	UCART1	10.14
638	636726.16	4270552.29	UCART1	10.12

639	636806.16	4270552.29	UCART1	10.06
640	636846.16	4270552.29	UCART1	10.06
641	636886.16	4270552.29	UCART1	10.23
642	636926.16	4270552.29	UCART1	10.36
643	637086.16	4270552.29	UCART1	10.67
644	637126.16	4270552.29	UCART1	10.67
645	637166.16	4270552.29	UCART1	10.36
646	637206.16	4270552.29	UCART1	10.49
647	637646.16	4270552.29	UCART1	10.60
648	637686.16	4270552.29	UCART1	10.57
649	637726.16	4270552.29	UCART1	10.44
650	637766.16	4270552.29	UCART1	10.44
651	637806.16	4270552.29	UCART1	10.44
652	637846.16	4270552.29	UCART1	10.44
653	638006.16	4270552.29	UCART1	10.67
654	638046.16	4270552.29	UCART1	10.67
655	638086.16	4270552.29	UCART1	10.67
656	633406.16	4270592.29	UCART1	7.32
657	633446.16	4270592.29	UCART1	7.50
658	633646.16	4270592.29	UCART1	7.36
659	633686.16	4270592.29	UCART1	7.32
660	633726.16	4270592.29	UCART1	7.32
661	633766.16	4270592.29	UCART1	7.09
662	633806.16	4270592.29	UCART1	7.01
663	633846.16	4270592.29	UCART1	6.94
664	633886.16	4270592.29	UCART1	6.74
665	633926.16	4270592.29	UCART1	6.71
666	636206.16	4270592.29	UCART1	9.94
667	636286.16	4270592.29	UCART1	10.59
668	636326.16	4270592.29	UCART1	10.67
669	636366.16	4270592.29	UCART1	10.72
670	636406.16	4270592.29	UCART1	10.48
671	636486.16	4270592.29	UCART1	10.13
672	636526.16	4270592.29	UCART1	10.33
673	636606.16	4270592.29	UCART1	10.12
674	636646.16	4270592.29	UCART1	9.51
675	636686.16	4270592.29	UCART1	9.28
676	636766.16	4270592.29	UCART1	9.71

677	636806.16	4270592.29	UCART1	9.89
678	636886.16	4270592.29	UCART1	10.06
679	636966.16	4270592.29	UCART1	10.26
680	637006.16	4270592.29	UCART1	10.36
681	637086.16	4270592.29	UCART1	10.60
682	637166.16	4270592.29	UCART1	10.36
683	637206.16	4270592.29	UCART1	10.49
684	637646.16	4270592.29	UCART1	10.05
685	637686.16	4270592.29	UCART1	10.56
686	637726.16	4270592.29	UCART1	10.67
687	637766.16	4270592.29	UCART1	10.67
688	637806.16	4270592.29	UCART1	10.67
689	637846.16	4270592.29	UCART1	10.67
690	633366.16	4270632.29	UCART1	7.32
691	633406.16	4270632.29	UCART1	7.32
692	633446.16	4270632.29	UCART1	7.36
693	633646.16	4270632.29	UCART1	7.39
694	633686.16	4270632.29	UCART1	7.32
695	633726.16	4270632.29	UCART1	7.20
696	633766.16	4270632.29	UCART1	7.02
697	633806.16	4270632.29	UCART1	6.99
698	633846.16	4270632.29	UCART1	6.72
699	633886.16	4270632.29	UCART1	6.71
700	633926.16	4270632.29	UCART1	6.71
701	636206.16	4270632.29	UCART1	10.08
702	636486.16	4270632.29	UCART1	10.35
703	636526.16	4270632.29	UCART1	10.57
704	636566.16	4270632.29	UCART1	10.05
705	636606.16	4270632.29	UCART1	9.20
706	636646.16	4270632.29	UCART1	9.15
707	636726.16	4270632.29	UCART1	9.15
708	636766.16	4270632.29	UCART1	9.40
709	636846.16	4270632.29	UCART1	9.78
710	636886.16	4270632.29	UCART1	9.78
711	636966.16	4270632.29	UCART1	10.07
712	637046.16	4270632.29	UCART1	10.09
713	637086.16	4270632.29	UCART1	10.10
714	637126.16	4270632.29	UCART1	10.09

715	637166.16	4270632.29	UCART1	10.11
716	637646.16	4270632.29	UCART1	9.50
717	637686.16	4270632.29	UCART1	9.93
718	637726.16	4270632.29	UCART1	10.32
719	637766.16	4270632.29	UCART1	10.39
720	637806.16	4270632.29	UCART1	10.39
721	637846.16	4270632.29	UCART1	10.60
722	637886.16	4270632.29	UCART1	10.67
723	633406.16	4270672.29	UCART1	7.32
724	633446.16	4270672.29	UCART1	7.34
725	633646.16	4270672.29	UCART1	7.39
726	633686.16	4270672.29	UCART1	7.32
727	633726.16	4270672.29	UCART1	7.19
728	633766.16	4270672.29	UCART1	7.01
729	633806.16	4270672.29	UCART1	6.92
730	633846.16	4270672.29	UCART1	6.68
731	633886.16	4270672.29	UCART1	6.63
732	633926.16	4270672.29	UCART1	6.40
733	636206.16	4270672.29	UCART1	10.45
734	636486.16	4270672.29	UCART1	10.18
735	636526.16	4270672.29	UCART1	9.34
736	636566.16	4270672.29	UCART1	9.14
737	636686.16	4270672.29	UCART1	9.14
738	636726.16	4270672.29	UCART1	9.14
739	636806.16	4270672.29	UCART1	9.47
740	636846.16	4270672.29	UCART1	9.71
741	636926.16	4270672.29	UCART1	9.75
742	636966.16	4270672.29	UCART1	9.75
743	637046.16	4270672.29	UCART1	9.75
744	637086.16	4270672.29	UCART1	9.72
745	637126.16	4270672.29	UCART1	9.68
746	637166.16	4270672.29	UCART1	9.70
747	637206.16	4270672.29	UCART1	9.98
748	637246.16	4270672.29	UCART1	10.10
749	637686.16	4270672.29	UCART1	9.57
750	637726.16	4270672.29	UCART1	9.92
751	637766.16	4270672.29	UCART1	10.08
752	637806.16	4270672.29	UCART1	10.32

753	637846.16	4270672.29	UCART1	10.36
754	637886.16	4270672.29	UCART1	10.67
755	637926.16	4270672.29	UCART1	10.67
756	633446.16	4270712.29	UCART1	7.32
757	633486.16	4270712.29	UCART1	7.52
758	633686.16	4270712.29	UCART1	7.32
759	633726.16	4270712.29	UCART1	7.19
760	633766.16	4270712.29	UCART1	6.88
761	633806.16	4270712.29	UCART1	6.69
762	636206.16	4270712.29	UCART1	10.67
763	636486.16	4270712.29	UCART1	9.27
764	636526.16	4270712.29	UCART1	9.18
765	636566.16	4270712.29	UCART1	9.14
766	636606.16	4270712.29	UCART1	9.14
767	636686.16	4270712.29	UCART1	9.14
768	636766.16	4270712.29	UCART1	9.37
769	636806.16	4270712.29	UCART1	9.45
770	636886.16	4270712.29	UCART1	9.58
771	636926.16	4270712.29	UCART1	9.58
772	637006.16	4270712.29	UCART1	9.58
773	637046.16	4270712.29	UCART1	9.58
774	637086.16	4270712.29	UCART1	9.52
775	637126.16	4270712.29	UCART1	9.45
776	637206.16	4270712.29	UCART1	9.40
777	637246.16	4270712.29	UCART1	9.18
778	637686.16	4270712.29	UCART1	9.57
779	637726.16	4270712.29	UCART1	9.75
780	637766.16	4270712.29	UCART1	10.07
781	637806.16	4270712.29	UCART1	10.29
782	637846.16	4270712.29	UCART1	10.36
783	633326.16	4270752.29	UCART1	7.01
784	633366.16	4270752.29	UCART1	7.13
785	633406.16	4270752.29	UCART1	7.32
786	633446.16	4270752.29	UCART1	7.32
787	633486.16	4270752.29	UCART1	7.44
788	633686.16	4270752.29	UCART1	7.32
789	633726.16	4270752.29	UCART1	7.19
790	633766.16	4270752.29	UCART1	6.78

791	636206.16	4270752.29	UCART1	10.39
792	636486.16	4270752.29	UCART1	9.14
793	636526.16	4270752.29	UCART1	9.14
794	636566.16	4270752.29	UCART1	9.14
795	636606.16	4270752.29	UCART1	9.14
796	636646.16	4270752.29	UCART1	9.14
797	636686.16	4270752.29	UCART1	9.14
798	636726.16	4270752.29	UCART1	9.14
799	636766.16	4270752.29	UCART1	9.37
800	636846.16	4270752.29	UCART1	9.45
801	636886.16	4270752.29	UCART1	9.45
802	636966.16	4270752.29	UCART1	9.45
803	637006.16	4270752.29	UCART1	9.45
804	637046.16	4270752.29	UCART1	9.45
805	637086.16	4270752.29	UCART1	9.45
806	637126.16	4270752.29	UCART1	9.45
807	637166.16	4270752.29	UCART1	9.15
808	637246.16	4270752.29	UCART1	8.64
809	637686.16	4270752.29	UCART1	9.57
810	637726.16	4270752.29	UCART1	9.96
811	637766.16	4270752.29	UCART1	10.08
812	633326.16	4270792.29	UCART1	7.01
813	633366.16	4270792.29	UCART1	7.13
814	633406.16	4270792.29	UCART1	7.32
815	633446.16	4270792.29	UCART1	7.32
816	633486.16	4270792.29	UCART1	7.32
817	633526.16	4270792.29	UCART1	7.54
818	633686.16	4270792.29	UCART1	7.30
819	633726.16	4270792.29	UCART1	7.05
820	633766.16	4270792.29	UCART1	6.78
821	636206.16	4270792.29	UCART1	9.61
822	636446.16	4270792.29	UCART1	9.14
823	636486.16	4270792.29	UCART1	9.14
824	636526.16	4270792.29	UCART1	9.14
825	636566.16	4270792.29	UCART1	9.14
826	636606.16	4270792.29	UCART1	9.14
827	636646.16	4270792.29	UCART1	9.14
828	636686.16	4270792.29	UCART1	9.14

829	636726.16	4270792.29	UCART1	9.14
830	636806.16	4270792.29	UCART1	9.45
831	636846.16	4270792.29	UCART1	9.45
832	636926.16	4270792.29	UCART1	9.45
833	636966.16	4270792.29	UCART1	9.45
834	637006.16	4270792.29	UCART1	9.45
835	637046.16	4270792.29	UCART1	9.45
836	637086.16	4270792.29	UCART1	9.45
837	637166.16	4270792.29	UCART1	9.05
838	637246.16	4270792.29	UCART1	8.31
839	637286.16	4270792.29	UCART1	7.92
840	637726.16	4270792.29	UCART1	10.03
841	637766.16	4270792.29	UCART1	10.37
842	638086.16	4270792.29	UCART1	10.67
843	638126.16	4270792.29	UCART1	10.67
844	638206.16	4270792.29	UCART1	10.67
845	638246.16	4270792.29	UCART1	10.67
846	638286.16	4270792.29	UCART1	10.67
847	638326.16	4270792.29	UCART1	10.67
848	638366.16	4270792.29	UCART1	10.67
849	633326.16	4270832.29	UCART1	7.01
850	633366.16	4270832.29	UCART1	7.13
851	633406.16	4270832.29	UCART1	7.32
852	633446.16	4270832.29	UCART1	7.32
853	633486.16	4270832.29	UCART1	7.32
854	633526.16	4270832.29	UCART1	7.54
855	633726.16	4270832.29	UCART1	7.19
856	633766.16	4270832.29	UCART1	6.78
857	636206.16	4270832.29	UCART1	9.15
858	636446.16	4270832.29	UCART1	9.14
859	636486.16	4270832.29	UCART1	9.14
860	636526.16	4270832.29	UCART1	9.14
861	636566.16	4270832.29	UCART1	9.14
862	636606.16	4270832.29	UCART1	9.14
863	636646.16	4270832.29	UCART1	9.14
864	636686.16	4270832.29	UCART1	9.14
865	636766.16	4270832.29	UCART1	9.37
866	636806.16	4270832.29	UCART1	9.45

867	636886.16	4270832.29	UCART1	9.45
868	636926.16	4270832.29	UCART1	9.45
869	636966.16	4270832.29	UCART1	9.45
870	637006.16	4270832.29	UCART1	9.45
871	637046.16	4270832.29	UCART1	9.45
872	637086.16	4270832.29	UCART1	9.38
873	637126.16	4270832.29	UCART1	9.18
874	637166.16	4270832.29	UCART1	8.84
875	637246.16	4270832.29	UCART1	8.31
876	637286.16	4270832.29	UCART1	8.09
877	637726.16	4270832.29	UCART1	10.25
878	637766.16	4270832.29	UCART1	10.55
879	637806.16	4270832.29	UCART1	10.60
880	638086.16	4270832.29	UCART1	10.67
881	638126.16	4270832.29	UCART1	10.67
882	638206.16	4270832.29	UCART1	10.67
883	638246.16	4270832.29	UCART1	10.67
884	638286.16	4270832.29	UCART1	10.67
885	638326.16	4270832.29	UCART1	10.67
886	638366.16	4270832.29	UCART1	10.67
887	633326.16	4270872.29	UCART1	7.01
888	633366.16	4270872.29	UCART1	7.13
889	633406.16	4270872.29	UCART1	7.32
890	633446.16	4270872.29	UCART1	7.32
891	633486.16	4270872.29	UCART1	7.32
892	633526.16	4270872.29	UCART1	7.54
893	633726.16	4270872.29	UCART1	7.19
894	633766.16	4270872.29	UCART1	6.78
895	633806.16	4270872.29	UCART1	6.38
896	636406.16	4270872.29	UCART1	9.28
897	636446.16	4270872.29	UCART1	9.40
898	636486.16	4270872.29	UCART1	9.14
899	636526.16	4270872.29	UCART1	9.14
900	636566.16	4270872.29	UCART1	9.14
901	636606.16	4270872.29	UCART1	9.14
902	636646.16	4270872.29	UCART1	9.14
903	636686.16	4270872.29	UCART1	9.14
904	636726.16	4270872.29	UCART1	9.14

905	636846.16	4270872.29	UCART1	9.45
906	636886.16	4270872.29	UCART1	9.45
907	636926.16	4270872.29	UCART1	9.45
908	636966.16	4270872.29	UCART1	9.45
909	637006.16	4270872.29	UCART1	9.45
910	637046.16	4270872.29	UCART1	9.43
911	637086.16	4270872.29	UCART1	9.16
912	637126.16	4270872.29	UCART1	9.14
913	637166.16	4270872.29	UCART1	8.84
914	637246.16	4270872.29	UCART1	8.51
915	637286.16	4270872.29	UCART1	8.21
916	637726.16	4270872.29	UCART1	10.28
917	637766.16	4270872.29	UCART1	10.65
918	637806.16	4270872.29	UCART1	10.38
919	637966.16	4270872.29	UCART1	10.36
920	638006.16	4270872.29	UCART1	10.67
921	638086.16	4270872.29	UCART1	10.67
922	638126.16	4270872.29	UCART1	10.67
923	638206.16	4270872.29	UCART1	10.67
924	638246.16	4270872.29	UCART1	10.67
925	638286.16	4270872.29	UCART1	10.67
926	638326.16	4270872.29	UCART1	10.67
927	638366.16	4270872.29	UCART1	10.67
928	633366.16	4270912.29	UCART1	7.13
929	633406.16	4270912.29	UCART1	7.32
930	633446.16	4270912.29	UCART1	7.32
931	633486.16	4270912.29	UCART1	7.32
932	633526.16	4270912.29	UCART1	7.32
933	633566.16	4270912.29	UCART1	7.62
934	633726.16	4270912.29	UCART1	7.22
935	633766.16	4270912.29	UCART1	7.03
936	633806.16	4270912.29	UCART1	6.68
937	636206.16	4270912.29	UCART1	7.64
938	636446.16	4270912.29	UCART1	9.36
939	636486.16	4270912.29	UCART1	9.14
940	636526.16	4270912.29	UCART1	9.14
941	636566.16	4270912.29	UCART1	9.14
942	636606.16	4270912.29	UCART1	9.14

943	636646.16	4270912.29	UCART1	9.14
944	636686.16	4270912.29	UCART1	9.14
945	636726.16	4270912.29	UCART1	9.14
946	636766.16	4270912.29	UCART1	9.37
947	636846.16	4270912.29	UCART1	9.45
948	636886.16	4270912.29	UCART1	9.45
949	636926.16	4270912.29	UCART1	9.45
950	636966.16	4270912.29	UCART1	9.45
951	637006.16	4270912.29	UCART1	9.39
952	637046.16	4270912.29	UCART1	9.14
953	637086.16	4270912.29	UCART1	9.14
954	637126.16	4270912.29	UCART1	8.92
955	637206.16	4270912.29	UCART1	8.72
956	637246.16	4270912.29	UCART1	8.53
957	637286.16	4270912.29	UCART1	8.28
958	637726.16	4270912.29	UCART1	10.43
959	637766.16	4270912.29	UCART1	10.27
960	637806.16	4270912.29	UCART1	9.98
961	637846.16	4270912.29	UCART1	10.04
962	637966.16	4270912.29	UCART1	10.36
963	638006.16	4270912.29	UCART1	10.67
964	638086.16	4270912.29	UCART1	10.67
965	638126.16	4270912.29	UCART1	10.67
966	638206.16	4270912.29	UCART1	10.67
967	638246.16	4270912.29	UCART1	10.67
968	638286.16	4270912.29	UCART1	10.67
969	638326.16	4270912.29	UCART1	10.67
970	638366.16	4270912.29	UCART1	10.67
971	633366.16	4270952.29	UCART1	7.24
972	633406.16	4270952.29	UCART1	7.32
973	633446.16	4270952.29	UCART1	7.32
974	633486.16	4270952.29	UCART1	7.32
975	633526.16	4270952.29	UCART1	7.32
976	633566.16	4270952.29	UCART1	7.62
977	633766.16	4270952.29	UCART1	7.09
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979	636206.16	4270952.29	UCART1	7.80
980	636406.16	4270952.29	UCART1	9.45

981	636446.16	4270952.29	UCART1	9.14
982	636486.16	4270952.29	UCART1	9.14
983	636526.16	4270952.29	UCART1	9.14
984	636566.16	4270952.29	UCART1	9.14
985	636606.16	4270952.29	UCART1	9.14
986	636646.16	4270952.29	UCART1	9.14
987	636686.16	4270952.29	UCART1	9.14
988	636726.16	4270952.29	UCART1	9.14
989	636766.16	4270952.29	UCART1	9.37
990	636806.16	4270952.29	UCART1	9.45
991	636886.16	4270952.29	UCART1	9.45
992	636926.16	4270952.29	UCART1	9.45
993	636966.16	4270952.29	UCART1	9.45
994	637006.16	4270952.29	UCART1	9.22
995	637046.16	4270952.29	UCART1	9.14
996	637086.16	4270952.29	UCART1	9.14
997	637126.16	4270952.29	UCART1	9.05
998	637166.16	4270952.29	UCART1	8.84
999	637206.16	4270952.29	UCART1	8.79
1,000	637246.16	4270952.29	UCART1	8.58
1,001	637286.16	4270952.29	UCART1	8.53
1,002	637726.16	4270952.29	UCART1	9.90
1,003	637766.16	4270952.29	UCART1	9.87
1,004	637806.16	4270952.29	UCART1	9.75
1,005	637846.16	4270952.29	UCART1	9.85
1,006	637966.16	4270952.29	UCART1	10.36
1,007	638006.16	4270952.29	UCART1	10.67
1,008	638086.16	4270952.29	UCART1	10.67
1,009	638126.16	4270952.29	UCART1	10.67
1,010	638166.16	4270952.29	UCART1	10.67
1,011	638206.16	4270952.29	UCART1	10.67
1,012	638246.16	4270952.29	UCART1	10.67
1,013	638326.16	4270952.29	UCART1	10.67
1,014	638366.16	4270952.29	UCART1	10.67
1,015	633366.16	4270992.29	UCART1	7.32
1,016	633406.16	4270992.29	UCART1	7.32
1,017	633446.16	4270992.29	UCART1	7.32
1,018	633486.16	4270992.29	UCART1	7.32

1,019	633526.16	4270992.29	UCART1	7.32
1,020	633566.16	4270992.29	UCART1	7.62
1,021	633766.16	4270992.29	UCART1	7.30
1,022	633806.16	4270992.29	UCART1	7.01
1,023	633846.16	4270992.29	UCART1	6.87
1,024	634246.16	4270992.29	UCART1	6.38
1,025	634286.16	4270992.29	UCART1	6.37
1,026	634326.16	4270992.29	UCART1	6.38
1,027	634366.16	4270992.29	UCART1	6.40
1,028	634446.16	4270992.29	UCART1	6.12
1,029	634486.16	4270992.29	UCART1	6.10
1,030	634526.16	4270992.29	UCART1	6.10
1,031	634566.16	4270992.29	UCART1	6.12
1,032	634606.16	4270992.29	UCART1	6.33
1,033	634646.16	4270992.29	UCART1	6.40
1,034	634686.16	4270992.29	UCART1	6.52
1,035	634726.16	4270992.29	UCART1	6.71
1,036	634806.16	4270992.29	UCART1	7.01
1,037	634846.16	4270992.29	UCART1	7.01
1,038	634886.16	4270992.29	UCART1	7.01
1,039	634926.16	4270992.29	UCART1	7.15
1,040	634966.16	4270992.29	UCART1	7.32
1,041	636206.16	4270992.29	UCART1	8.22
1,042	636246.16	4270992.29	UCART1	8.60
1,043	636366.16	4270992.29	UCART1	9.28
1,044	636406.16	4270992.29	UCART1	9.45
1,045	636446.16	4270992.29	UCART1	9.14
1,046	636486.16	4270992.29	UCART1	9.14
1,047	636526.16	4270992.29	UCART1	9.14
1,048	636566.16	4270992.29	UCART1	9.14
1,049	636606.16	4270992.29	UCART1	9.14
1,050	636646.16	4270992.29	UCART1	9.14
1,051	636686.16	4270992.29	UCART1	9.14
1,052	636726.16	4270992.29	UCART1	9.26
1,053	636766.16	4270992.29	UCART1	9.44
1,054	636806.16	4270992.29	UCART1	9.45
1,055	636846.16	4270992.29	UCART1	9.45
1,056	636886.16	4270992.29	UCART1	9.45

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1,059	637006.16	4270992.29	UCART1	9.43
1,060	637046.16	4270992.29	UCART1	9.14
1,061	637086.16	4270992.29	UCART1	9.14
1,062	637126.16	4270992.29	UCART1	9.14
1,063	637166.16	4270992.29	UCART1	9.10
1,064	637206.16	4270992.29	UCART1	8.84
1,065	637246.16	4270992.29	UCART1	8.82
1,066	637286.16	4270992.29	UCART1	8.79
1,067	637726.16	4270992.29	UCART1	9.26
1,068	637766.16	4270992.29	UCART1	9.48
1,069	637806.16	4270992.29	UCART1	9.48
1,070	637846.16	4270992.29	UCART1	9.68
1,071	637886.16	4270992.29	UCART1	9.80
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1,073	638086.16	4270992.29	UCART1	10.67
1,074	638126.16	4270992.29	UCART1	10.67
1,075	638166.16	4270992.29	UCART1	10.67
1,076	638206.16	4270992.29	UCART1	10.67
1,077	638246.16	4270992.29	UCART1	10.67
1,078	638326.16	4270992.29	UCART1	10.67
1,079	638366.16	4270992.29	UCART1	10.67
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1,081	633446.16	4271032.29	UCART1	7.32
1,082	633486.16	4271032.29	UCART1	7.32
1,083	633526.16	4271032.29	UCART1	7.32
1,084	633566.16	4271032.29	UCART1	7.55
1,085	633606.16	4271032.29	UCART1	7.62
1,086	633766.16	4271032.29	UCART1	7.33
1,087	633806.16	4271032.29	UCART1	7.08
1,088	633846.16	4271032.29	UCART1	7.01
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1,090	634166.16	4271032.29	UCART1	6.78
1,091	634206.16	4271032.29	UCART1	6.78
1,092	634246.16	4271032.29	UCART1	6.78
1,093	634286.16	4271032.29	UCART1	6.69
1,094	634366.16	4271032.29	UCART1	6.25

1,095	634406.16	4271032.29	UCART1	6.10
1,096	634446.16	4271032.29	UCART1	6.10
1,097	634486.16	4271032.29	UCART1	6.10
1,098	634566.16	4271032.29	UCART1	6.10
1,099	634606.16	4271032.29	UCART1	6.10
1,100	634646.16	4271032.29	UCART1	6.19
1,101	634726.16	4271032.29	UCART1	6.65
1,102	634766.16	4271032.29	UCART1	6.71
1,103	634806.16	4271032.29	UCART1	6.87
1,104	634846.16	4271032.29	UCART1	7.01
1,105	634886.16	4271032.29	UCART1	7.01
1,106	634926.16	4271032.29	UCART1	7.01
1,107	634966.16	4271032.29	UCART1	7.01
1,108	635046.16	4271032.29	UCART1	7.01
1,109	635086.16	4271032.29	UCART1	7.01
1,110	635686.16	4271032.29	UCART1	7.62
1,111	635726.16	4271032.29	UCART1	7.62
1,112	635766.16	4271032.29	UCART1	7.71
1,113	635806.16	4271032.29	UCART1	7.85
1,114	635846.16	4271032.29	UCART1	7.62
1,115	635886.16	4271032.29	UCART1	7.74
1,116	635926.16	4271032.29	UCART1	8.09
1,117	635966.16	4271032.29	UCART1	8.25
1,118	636006.16	4271032.29	UCART1	8.46
1,119	636046.16	4271032.29	UCART1	8.51
1,120	636086.16	4271032.29	UCART1	8.53
1,121	636126.16	4271032.29	UCART1	8.56
1,122	636166.16	4271032.29	UCART1	8.61
1,123	636206.16	4271032.29	UCART1	8.63
1,124	636366.16	4271032.29	UCART1	9.45
1,125	636406.16	4271032.29	UCART1	9.45
1,126	636446.16	4271032.29	UCART1	9.14
1,127	636486.16	4271032.29	UCART1	9.14
1,128	636526.16	4271032.29	UCART1	9.14
1,129	636566.16	4271032.29	UCART1	9.14
1,130	636606.16	4271032.29	UCART1	9.14
1,131	636646.16	4271032.29	UCART1	9.14
1,132	636686.16	4271032.29	UCART1	9.38

1,133	636726.16	4271032.29	UCART1	9.45
1,134	636766.16	4271032.29	UCART1	9.45
1,135	636806.16	4271032.29	UCART1	9.45
1,136	636846.16	4271032.29	UCART1	9.45
1,137	636886.16	4271032.29	UCART1	9.45
1,138	636926.16	4271032.29	UCART1	9.45
1,139	636966.16	4271032.29	UCART1	9.45
1,140	637046.16	4271032.29	UCART1	9.43
1,141	637086.16	4271032.29	UCART1	9.19
1,142	637126.16	4271032.29	UCART1	9.14
1,143	637166.16	4271032.29	UCART1	9.14
1,144	637206.16	4271032.29	UCART1	9.05
1,145	637246.16	4271032.29	UCART1	8.91
1,146	637766.16	4271032.29	UCART1	8.79
1,147	637806.16	4271032.29	UCART1	9.19
1,148	637846.16	4271032.29	UCART1	9.60
1,149	637886.16	4271032.29	UCART1	9.77
1,150	637926.16	4271032.29	UCART1	10.01
1,151	637966.16	4271032.29	UCART1	10.28
1,152	638086.16	4271032.29	UCART1	10.72
1,153	638126.16	4271032.29	UCART1	10.97
1,154	638166.16	4271032.29	UCART1	10.97
1,155	638206.16	4271032.29	UCART1	10.92
1,156	638246.16	4271032.29	UCART1	10.67
1,157	638326.16	4271032.29	UCART1	10.59
1,158	638366.16	4271032.29	UCART1	10.57
1,159	633406.16	4271072.29	UCART1	7.32
1,160	633446.16	4271072.29	UCART1	7.32
1,161	633486.16	4271072.29	UCART1	7.32
1,162	633526.16	4271072.29	UCART1	7.32
1,163	633566.16	4271072.29	UCART1	7.34
1,164	633606.16	4271072.29	UCART1	7.62
1,165	633806.16	4271072.29	UCART1	7.29
1,166	633846.16	4271072.29	UCART1	7.01
1,167	634006.16	4271072.29	UCART1	7.01
1,168	634046.16	4271072.29	UCART1	7.01
1,169	634086.16	4271072.29	UCART1	7.01
1,170	634126.16	4271072.29	UCART1	7.01

1,171	634166.16	4271072.29	UCART1	7.01
1,172	634206.16	4271072.29	UCART1	7.01
1,173	634246.16	4271072.29	UCART1	7.01
1,174	634286.16	4271072.29	UCART1	6.88
1,175	634326.16	4271072.29	UCART1	6.81
1,176	634366.16	4271072.29	UCART1	6.61
1,177	634406.16	4271072.29	UCART1	6.27
1,178	634446.16	4271072.29	UCART1	6.27
1,179	634486.16	4271072.29	UCART1	6.27
1,180	634526.16	4271072.29	UCART1	6.10
1,181	634566.16	4271072.29	UCART1	6.10
1,182	634606.16	4271072.29	UCART1	6.23
1,183	634646.16	4271072.29	UCART1	6.41
1,184	634686.16	4271072.29	UCART1	6.63
1,185	634726.16	4271072.29	UCART1	6.71
1,186	634766.16	4271072.29	UCART1	6.89
1,187	634806.16	4271072.29	UCART1	7.01
1,188	634846.16	4271072.29	UCART1	7.01
1,189	634886.16	4271072.29	UCART1	7.01
1,190	634926.16	4271072.29	UCART1	7.01
1,191	634966.16	4271072.29	UCART1	7.01
1,192	635006.16	4271072.29	UCART1	7.01
1,193	635046.16	4271072.29	UCART1	7.01
1,194	635086.16	4271072.29	UCART1	7.01
1,195	635126.16	4271072.29	UCART1	7.01
1,196	635686.16	4271072.29	UCART1	7.62
1,197	635726.16	4271072.29	UCART1	7.62
1,198	635766.16	4271072.29	UCART1	7.62
1,199	635806.16	4271072.29	UCART1	7.62
1,200	635846.16	4271072.29	UCART1	7.62
1,201	635886.16	4271072.29	UCART1	7.74
1,202	635926.16	4271072.29	UCART1	7.92
1,203	635966.16	4271072.29	UCART1	8.23
1,204	636006.16	4271072.29	UCART1	8.23
1,205	636046.16	4271072.29	UCART1	8.46
1,206	636086.16	4271072.29	UCART1	8.55
1,207	636126.16	4271072.29	UCART1	8.76
1,208	636166.16	4271072.29	UCART1	8.84

1,209	636326.16	4271072.29	UCART1	9.45
1,210	636366.16	4271072.29	UCART1	9.45
1,211	636406.16	4271072.29	UCART1	9.45
1,212	636446.16	4271072.29	UCART1	9.14
1,213	636486.16	4271072.29	UCART1	9.14
1,214	636526.16	4271072.29	UCART1	9.14
1,215	636566.16	4271072.29	UCART1	9.14
1,216	636606.16	4271072.29	UCART1	9.14
1,217	636646.16	4271072.29	UCART1	9.14
1,218	636726.16	4271072.29	UCART1	9.34
1,219	636766.16	4271072.29	UCART1	9.45
1,220	636806.16	4271072.29	UCART1	9.45
1,221	636846.16	4271072.29	UCART1	9.45
1,222	636886.16	4271072.29	UCART1	9.32
1,223	637006.16	4271072.29	UCART1	9.45
1,224	637046.16	4271072.29	UCART1	9.45
1,225	637086.16	4271072.29	UCART1	9.40
1,226	637126.16	4271072.29	UCART1	9.19
1,227	637166.16	4271072.29	UCART1	9.14
1,228	637206.16	4271072.29	UCART1	9.14
1,229	637766.16	4271072.29	UCART1	8.39
1,230	637806.16	4271072.29	UCART1	8.96
1,231	637846.16	4271072.29	UCART1	9.37
1,232	637886.16	4271072.29	UCART1	9.59
1,233	637926.16	4271072.29	UCART1	9.88
1,234	637966.16	4271072.29	UCART1	10.28
1,235	638086.16	4271072.29	UCART1	10.76
1,236	638126.16	4271072.29	UCART1	10.80
1,237	638166.16	4271072.29	UCART1	10.80
1,238	638206.16	4271072.29	UCART1	10.70
1,239	638246.16	4271072.29	UCART1	10.66
1,240	638326.16	4271072.29	UCART1	10.23
1,241	638366.16	4271072.29	UCART1	10.14
1,242	633406.16	4271112.29	UCART1	7.32
1,243	633446.16	4271112.29	UCART1	7.32
1,244	633486.16	4271112.29	UCART1	7.32
1,245	633526.16	4271112.29	UCART1	7.32
1,246	633566.16	4271112.29	UCART1	7.34

1,247	633606.16	4271112.29	UCART1	7.62
1,248	633806.16	4271112.29	UCART1	7.31
1,249	633886.16	4271112.29	UCART1	7.01
1,250	633926.16	4271112.29	UCART1	7.01
1,251	633966.16	4271112.29	UCART1	7.01
1,252	634006.16	4271112.29	UCART1	7.01
1,253	634046.16	4271112.29	UCART1	7.03
1,254	634126.16	4271112.29	UCART1	7.29
1,255	634166.16	4271112.29	UCART1	7.29
1,256	634206.16	4271112.29	UCART1	7.29
1,257	634286.16	4271112.29	UCART1	7.27
1,258	634326.16	4271112.29	UCART1	7.00
1,259	634366.16	4271112.29	UCART1	6.98
1,260	634406.16	4271112.29	UCART1	6.68
1,261	634486.16	4271112.29	UCART1	6.68
1,262	634566.16	4271112.29	UCART1	6.37
1,263	634606.16	4271112.29	UCART1	6.39
1,264	634646.16	4271112.29	UCART1	6.68
1,265	634686.16	4271112.29	UCART1	6.71
1,266	634726.16	4271112.29	UCART1	6.91
1,267	634766.16	4271112.29	UCART1	7.01
1,268	634846.16	4271112.29	UCART1	7.01
1,269	634886.16	4271112.29	UCART1	7.01
1,270	634926.16	4271112.29	UCART1	7.01
1,271	634966.16	4271112.29	UCART1	7.01
1,272	635006.16	4271112.29	UCART1	7.01
1,273	635046.16	4271112.29	UCART1	7.01
1,274	635086.16	4271112.29	UCART1	7.01
1,275	635126.16	4271112.29	UCART1	7.01
1,276	635166.16	4271112.29	UCART1	7.01
1,277	635686.16	4271112.29	UCART1	7.62
1,278	635726.16	4271112.29	UCART1	7.62
1,279	635766.16	4271112.29	UCART1	7.62
1,280	635806.16	4271112.29	UCART1	7.62
1,281	635846.16	4271112.29	UCART1	7.64
1,282	635886.16	4271112.29	UCART1	7.91
1,283	635926.16	4271112.29	UCART1	7.92
1,284	635966.16	4271112.29	UCART1	7.95

1,285	636006.16	4271112.29	UCART1	8.06
1,286	636046.16	4271112.29	UCART1	8.46
1,287	636086.16	4271112.29	UCART1	8.81
1,288	636126.16	4271112.29	UCART1	8.84
1,289	636286.16	4271112.29	UCART1	9.14
1,290	636326.16	4271112.29	UCART1	9.45
1,291	636366.16	4271112.29	UCART1	9.45
1,292	636406.16	4271112.29	UCART1	9.45
1,293	636446.16	4271112.29	UCART1	9.14
1,294	636486.16	4271112.29	UCART1	9.14
1,295	636526.16	4271112.29	UCART1	9.14
1,296	636566.16	4271112.29	UCART1	9.14
1,297	636646.16	4271112.29	UCART1	9.14
1,298	636686.16	4271112.29	UCART1	9.14
1,299	636726.16	4271112.29	UCART1	9.15
1,300	636766.16	4271112.29	UCART1	9.38
1,301	636806.16	4271112.29	UCART1	9.45
1,302	636846.16	4271112.29	UCART1	9.34
1,303	636886.16	4271112.29	UCART1	9.15
1,304	636926.16	4271112.29	UCART1	9.14
1,305	637006.16	4271112.29	UCART1	9.38
1,306	637046.16	4271112.29	UCART1	9.45
1,307	637086.16	4271112.29	UCART1	9.45
1,308	637126.16	4271112.29	UCART1	9.43
1,309	637166.16	4271112.29	UCART1	9.40
1,310	637766.16	4271112.29	UCART1	8.25
1,311	637806.16	4271112.29	UCART1	8.68
1,312	637846.16	4271112.29	UCART1	9.09
1,313	637886.16	4271112.29	UCART1	9.47
1,314	637926.16	4271112.29	UCART1	9.88
1,315	637966.16	4271112.29	UCART1	10.28
1,316	638086.16	4271112.29	UCART1	10.67
1,317	638126.16	4271112.29	UCART1	10.67
1,318	638166.16	4271112.29	UCART1	10.67
1,319	638206.16	4271112.29	UCART1	10.67
1,320	638246.16	4271112.29	UCART1	10.39
1,321	638326.16	4271112.29	UCART1	10.14
1,322	638366.16	4271112.29	UCART1	9.50

1,323	633326.16	4271152.29	UCART1	7.32
1,324	633366.16	4271152.29	UCART1	7.32
1,325	633406.16	4271152.29	UCART1	7.32
1,326	633446.16	4271152.29	UCART1	7.32
1,327	633486.16	4271152.29	UCART1	7.32
1,328	633526.16	4271152.29	UCART1	7.32
1,329	633566.16	4271152.29	UCART1	7.33
1,330	633606.16	4271152.29	UCART1	7.58
1,331	633806.16	4271152.29	UCART1	7.32
1,332	633846.16	4271152.29	UCART1	7.32
1,333	633886.16	4271152.29	UCART1	7.14
1,334	633926.16	4271152.29	UCART1	7.09
1,335	633966.16	4271152.29	UCART1	7.18
1,336	634006.16	4271152.29	UCART1	7.32
1,337	634046.16	4271152.29	UCART1	7.32
1,338	634086.16	4271152.29	UCART1	7.32
1,339	634126.16	4271152.29	UCART1	7.54
1,340	634166.16	4271152.29	UCART1	7.62
1,341	634206.16	4271152.29	UCART1	7.62
1,342	634246.16	4271152.29	UCART1	7.62
1,343	634286.16	4271152.29	UCART1	7.32
1,344	634326.16	4271152.29	UCART1	7.32
1,345	634406.16	4271152.29	UCART1	7.09
1,346	634486.16	4271152.29	UCART1	7.09
1,347	634526.16	4271152.29	UCART1	7.06
1,348	634566.16	4271152.29	UCART1	6.78
1,349	634606.16	4271152.29	UCART1	6.78
1,350	634646.16	4271152.29	UCART1	6.80
1,351	634726.16	4271152.29	UCART1	7.01
1,352	634766.16	4271152.29	UCART1	7.01
1,353	634806.16	4271152.29	UCART1	7.01
1,354	634886.16	4271152.29	UCART1	7.01
1,355	634966.16	4271152.29	UCART1	7.01
1,356	635006.16	4271152.29	UCART1	7.01
1,357	635046.16	4271152.29	UCART1	7.01
1,358	635086.16	4271152.29	UCART1	7.01
1,359	635166.16	4271152.29	UCART1	7.18
1,360	635686.16	4271152.29	UCART1	7.62

1,361	635726.16	4271152.29	UCART1	7.62
1,362	635766.16	4271152.29	UCART1	7.62
1,363	635806.16	4271152.29	UCART1	7.68
1,364	635846.16	4271152.29	UCART1	7.92
1,365	635886.16	4271152.29	UCART1	7.92
1,366	635926.16	4271152.29	UCART1	7.92
1,367	635966.16	4271152.29	UCART1	7.92
1,368	636006.16	4271152.29	UCART1	7.85
1,369	636046.16	4271152.29	UCART1	8.36
1,370	636086.16	4271152.29	UCART1	8.93
1,371	636206.16	4271152.29	UCART1	9.14
1,372	636286.16	4271152.29	UCART1	9.14
1,373	636326.16	4271152.29	UCART1	9.45
1,374	636366.16	4271152.29	UCART1	9.42
1,375	636566.16	4271152.29	UCART1	9.14
1,376	636606.16	4271152.29	UCART1	9.14
1,377	636646.16	4271152.29	UCART1	9.14
1,378	636686.16	4271152.29	UCART1	9.14
1,379	636766.16	4271152.29	UCART1	9.37
1,380	636806.16	4271152.29	UCART1	9.45
1,381	636846.16	4271152.29	UCART1	9.36
1,382	636886.16	4271152.29	UCART1	9.16
1,383	636926.16	4271152.29	UCART1	9.14
1,384	636966.16	4271152.29	UCART1	9.14
1,385	637046.16	4271152.29	UCART1	9.45
1,386	637086.16	4271152.29	UCART1	9.45
1,387	637126.16	4271152.29	UCART1	9.45
1,388	637766.16	4271152.29	UCART1	8.18
1,389	637806.16	4271152.29	UCART1	8.61
1,390	637846.16	4271152.29	UCART1	9.06
1,391	637886.16	4271152.29	UCART1	9.47
1,392	637926.16	4271152.29	UCART1	9.88
1,393	637966.16	4271152.29	UCART1	10.28
1,394	633326.16	4271192.29	UCART1	7.32
1,395	633366.16	4271192.29	UCART1	7.32
1,396	633406.16	4271192.29	UCART1	7.32
1,397	633446.16	4271192.29	UCART1	7.32
1,398	633486.16	4271192.29	UCART1	7.32

1,399	633846.16	4271192.29	UCART1	7.32
1,400	633886.16	4271192.29	UCART1	7.32
1,401	633966.16	4271192.29	UCART1	7.39
1,402	634006.16	4271192.29	UCART1	7.49
1,403	634046.16	4271192.29	UCART1	7.49
1,404	634086.16	4271192.29	UCART1	7.42
1,405	634126.16	4271192.29	UCART1	7.54
1,406	634166.16	4271192.29	UCART1	7.62
1,407	634206.16	4271192.29	UCART1	7.62
1,408	634246.16	4271192.29	UCART1	7.62
1,409	634286.16	4271192.29	UCART1	7.32
1,410	634326.16	4271192.29	UCART1	7.39
1,411	634366.16	4271192.29	UCART1	7.49
1,412	634566.16	4271192.29	UCART1	7.19
1,413	634606.16	4271192.29	UCART1	7.19
1,414	634686.16	4271192.29	UCART1	7.01
1,415	634726.16	4271192.29	UCART1	7.01
1,416	634766.16	4271192.29	UCART1	7.01
1,417	634806.16	4271192.29	UCART1	7.01
1,418	634846.16	4271192.29	UCART1	7.01
1,419	634966.16	4271192.29	UCART1	7.01
1,420	635006.16	4271192.29	UCART1	7.01
1,421	635046.16	4271192.29	UCART1	7.08
1,422	635086.16	4271192.29	UCART1	7.19
1,423	635126.16	4271192.29	UCART1	7.32
1,424	635166.16	4271192.29	UCART1	7.32
1,425	635246.16	4271192.29	UCART1	7.32
1,426	635326.16	4271192.29	UCART1	7.54
1,427	635366.16	4271192.29	UCART1	7.62
1,428	635406.16	4271192.29	UCART1	7.69
1,429	635446.16	4271192.29	UCART1	7.80
1,430	635686.16	4271192.29	UCART1	7.62
1,431	635726.16	4271192.29	UCART1	7.62
1,432	635766.16	4271192.29	UCART1	7.62
1,433	635806.16	4271192.29	UCART1	7.71
1,434	635846.16	4271192.29	UCART1	7.76
1,435	635886.16	4271192.29	UCART1	7.85
1,436	635926.16	4271192.29	UCART1	7.75

1,437	635966.16	4271192.29	UCART1	7.74
1,438	636006.16	4271192.29	UCART1	7.62
1,439	636166.16	4271192.29	UCART1	9.14
1,440	636246.16	4271192.29	UCART1	9.14
1,441	636286.16	4271192.29	UCART1	9.14
1,442	636326.16	4271192.29	UCART1	9.27
1,443	636366.16	4271192.29	UCART1	9.22
1,444	636406.16	4271192.29	UCART1	9.14
1,445	636446.16	4271192.29	UCART1	9.14
1,446	636486.16	4271192.29	UCART1	9.14
1,447	636526.16	4271192.29	UCART1	9.14
1,448	636566.16	4271192.29	UCART1	9.14
1,449	636606.16	4271192.29	UCART1	9.14
1,450	636646.16	4271192.29	UCART1	9.14
1,451	636686.16	4271192.29	UCART1	9.14
1,452	636726.16	4271192.29	UCART1	9.14
1,453	636766.16	4271192.29	UCART1	9.24
1,454	636806.16	4271192.29	UCART1	9.45
1,455	636846.16	4271192.29	UCART1	9.45
1,456	636886.16	4271192.29	UCART1	9.35
1,457	636926.16	4271192.29	UCART1	9.14
1,458	636966.16	4271192.29	UCART1	9.14
1,459	637006.16	4271192.29	UCART1	9.14
1,460	637046.16	4271192.29	UCART1	9.45
1,461	637806.16	4271192.29	UCART1	8.48
1,462	637846.16	4271192.29	UCART1	9.06
1,463	637886.16	4271192.29	UCART1	9.47
1,464	637926.16	4271192.29	UCART1	9.88
1,465	637966.16	4271192.29	UCART1	10.28
1,466	638086.16	4271192.29	UCART1	10.44
1,467	638126.16	4271192.29	UCART1	10.36
1,468	638166.16	4271192.29	UCART1	10.36
1,469	638206.16	4271192.29	UCART1	10.36
1,470	638246.16	4271192.29	UCART1	10.18
1,471	638286.16	4271192.29	UCART1	9.99
1,472	638326.16	4271192.29	UCART1	9.79
1,473	638366.16	4271192.29	UCART1	9.45
1,474	633326.16	4271232.29	UCART1	7.32

1,475	633366.16	4271232.29	UCART1	7.32
1,476	633406.16	4271232.29	UCART1	7.32
1,477	633446.16	4271232.29	UCART1	7.32
1,478	633486.16	4271232.29	UCART1	7.32
1,479	633526.16	4271232.29	UCART1	7.32
1,480	633846.16	4271232.29	UCART1	7.48
1,481	633886.16	4271232.29	UCART1	7.32
1,482	633926.16	4271232.29	UCART1	7.32
1,483	633966.16	4271232.29	UCART1	7.44
1,484	634006.16	4271232.29	UCART1	7.62
1,485	634046.16	4271232.29	UCART1	7.62
1,486	634086.16	4271232.29	UCART1	7.61
1,487	634166.16	4271232.29	UCART1	7.62
1,488	634206.16	4271232.29	UCART1	7.62
1,489	634246.16	4271232.29	UCART1	7.62
1,490	634646.16	4271232.29	UCART1	7.31
1,491	634686.16	4271232.29	UCART1	7.29
1,492	634726.16	4271232.29	UCART1	7.08
1,493	634766.16	4271232.29	UCART1	7.01
1,494	634806.16	4271232.29	UCART1	7.12
1,495	634846.16	4271232.29	UCART1	7.29
1,496	634886.16	4271232.29	UCART1	7.29
1,497	634926.16	4271232.29	UCART1	7.29
1,498	635006.16	4271232.29	UCART1	7.29
1,499	635046.16	4271232.29	UCART1	7.30
1,500	635086.16	4271232.29	UCART1	7.32
1,501	635126.16	4271232.29	UCART1	7.32
1,502	635166.16	4271232.29	UCART1	7.32
1,503	635206.16	4271232.29	UCART1	7.32
1,504	635246.16	4271232.29	UCART1	7.32
1,505	635286.16	4271232.29	UCART1	7.43
1,506	635326.16	4271232.29	UCART1	7.61
1,507	635366.16	4271232.29	UCART1	7.64
1,508	635406.16	4271232.29	UCART1	7.91
1,509	635446.16	4271232.29	UCART1	7.92
1,510	635486.16	4271232.29	UCART1	7.92
1,511	635526.16	4271232.29	UCART1	7.91
1,512	635566.16	4271232.29	UCART1	7.90

1,513	635606.16	4271232.29	UCART1	7.62
1,514	635646.16	4271232.29	UCART1	7.62
1,515	635686.16	4271232.29	UCART1	7.62
1,516	635726.16	4271232.29	UCART1	7.62
1,517	635766.16	4271232.29	UCART1	7.62
1,518	635806.16	4271232.29	UCART1	7.62
1,519	635846.16	4271232.29	UCART1	7.62
1,520	635886.16	4271232.29	UCART1	7.64
1,521	635926.16	4271232.29	UCART1	7.62
1,522	636086.16	4271232.29	UCART1	9.12
1,523	636126.16	4271232.29	UCART1	9.14
1,524	636206.16	4271232.29	UCART1	9.14
1,525	636246.16	4271232.29	UCART1	9.14
1,526	636286.16	4271232.29	UCART1	9.14
1,527	636326.16	4271232.29	UCART1	9.14
1,528	636366.16	4271232.29	UCART1	9.14
1,529	636406.16	4271232.29	UCART1	9.14
1,530	636446.16	4271232.29	UCART1	9.14
1,531	636486.16	4271232.29	UCART1	9.14
1,532	636526.16	4271232.29	UCART1	9.14
1,533	636566.16	4271232.29	UCART1	9.14
1,534	636606.16	4271232.29	UCART1	9.14
1,535	636646.16	4271232.29	UCART1	9.14
1,536	636686.16	4271232.29	UCART1	9.14
1,537	636726.16	4271232.29	UCART1	9.14
1,538	636766.16	4271232.29	UCART1	9.14
1,539	636806.16	4271232.29	UCART1	9.45
1,540	636846.16	4271232.29	UCART1	9.45
1,541	636886.16	4271232.29	UCART1	9.45
1,542	636926.16	4271232.29	UCART1	9.42
1,543	636966.16	4271232.29	UCART1	9.42
1,544	637006.16	4271232.29	UCART1	9.42
1,545	637806.16	4271232.29	UCART1	8.59
1,546	637846.16	4271232.29	UCART1	9.34
1,547	637886.16	4271232.29	UCART1	9.47
1,548	637926.16	4271232.29	UCART1	9.88
1,549	637966.16	4271232.29	UCART1	10.28
1,550	638086.16	4271232.29	UCART1	10.44

1,551	638126.16	4271232.29	UCART1	10.36
1,552	638166.16	4271232.29	UCART1	10.36
1,553	638206.16	4271232.29	UCART1	10.16
1,554	638246.16	4271232.29	UCART1	10.04
1,555	638286.16	4271232.29	UCART1	9.77
1,556	638326.16	4271232.29	UCART1	9.75
1,557	638366.16	4271232.29	UCART1	9.45
1,558	633326.16	4271272.29	UCART1	7.32
1,559	633366.16	4271272.29	UCART1	7.32
1,560	633406.16	4271272.29	UCART1	7.32
1,561	633446.16	4271272.29	UCART1	7.32
1,562	633486.16	4271272.29	UCART1	7.32
1,563	633526.16	4271272.29	UCART1	7.32
1,564	633606.16	4271272.29	UCART1	7.62
1,565	633646.16	4271272.29	UCART1	7.62
1,566	633686.16	4271272.29	UCART1	7.62
1,567	633846.16	4271272.29	UCART1	7.53
1,568	633886.16	4271272.29	UCART1	7.33
1,569	633926.16	4271272.29	UCART1	7.34
1,570	633966.16	4271272.29	UCART1	7.62
1,571	634006.16	4271272.29	UCART1	7.62
1,572	634046.16	4271272.29	UCART1	7.62
1,573	634086.16	4271272.29	UCART1	7.62
1,574	634246.16	4271272.29	UCART1	7.68
1,575	634286.16	4271272.29	UCART1	7.62
1,576	634686.16	4271272.29	UCART1	7.36
1,577	634726.16	4271272.29	UCART1	7.32
1,578	634766.16	4271272.29	UCART1	7.32
1,579	634806.16	4271272.29	UCART1	7.32
1,580	634846.16	4271272.29	UCART1	7.32
1,581	634886.16	4271272.29	UCART1	7.32
1,582	634926.16	4271272.29	UCART1	7.32
1,583	634966.16	4271272.29	UCART1	7.32
1,584	635006.16	4271272.29	UCART1	7.32
1,585	635086.16	4271272.29	UCART1	7.32
1,586	635126.16	4271272.29	UCART1	7.32
1,587	635166.16	4271272.29	UCART1	7.32
1,588	635206.16	4271272.29	UCART1	7.32

1,589	635246.16	4271272.29	UCART1	7.32
1,590	635286.16	4271272.29	UCART1	7.44
1,591	635326.16	4271272.29	UCART1	7.62
1,592	635366.16	4271272.29	UCART1	7.71
1,593	635406.16	4271272.29	UCART1	7.92
1,594	635446.16	4271272.29	UCART1	7.98
1,595	635486.16	4271272.29	UCART1	7.92
1,596	635526.16	4271272.29	UCART1	7.92
1,597	635566.16	4271272.29	UCART1	7.92
1,598	635606.16	4271272.29	UCART1	7.90
1,599	635646.16	4271272.29	UCART1	7.62
1,600	635686.16	4271272.29	UCART1	7.62
1,601	635726.16	4271272.29	UCART1	7.62
1,602	635766.16	4271272.29	UCART1	7.62
1,603	635806.16	4271272.29	UCART1	7.62
1,604	635846.16	4271272.29	UCART1	7.69
1,605	636046.16	4271272.29	UCART1	9.20
1,606	636086.16	4271272.29	UCART1	9.14
1,607	636166.16	4271272.29	UCART1	9.09
1,608	636206.16	4271272.29	UCART1	9.07
1,609	636246.16	4271272.29	UCART1	9.07
1,610	636286.16	4271272.29	UCART1	8.90
1,611	636326.16	4271272.29	UCART1	9.07
1,612	636366.16	4271272.29	UCART1	9.14
1,613	636406.16	4271272.29	UCART1	9.14
1,614	636446.16	4271272.29	UCART1	9.14
1,615	636486.16	4271272.29	UCART1	9.14
1,616	636526.16	4271272.29	UCART1	9.14
1,617	636566.16	4271272.29	UCART1	9.07
1,618	636606.16	4271272.29	UCART1	9.14
1,619	636646.16	4271272.29	UCART1	9.14
1,620	636686.16	4271272.29	UCART1	9.14
1,621	636726.16	4271272.29	UCART1	9.14
1,622	636766.16	4271272.29	UCART1	9.14
1,623	636806.16	4271272.29	UCART1	9.38
1,624	636846.16	4271272.29	UCART1	9.45
1,625	636886.16	4271272.29	UCART1	9.45
1,626	636926.16	4271272.29	UCART1	9.45

1,627	636966.16	4271272.29	UCART1	9.45
1,628	637006.16	4271272.29	UCART1	9.45
1,629	637046.16	4271272.29	UCART1	9.45
1,630	638086.16	4271272.29	UCART1	10.44
1,631	638126.16	4271272.29	UCART1	10.36
1,632	638166.16	4271272.29	UCART1	10.24
1,633	638206.16	4271272.29	UCART1	10.06
1,634	638246.16	4271272.29	UCART1	10.04
1,635	638286.16	4271272.29	UCART1	9.75
1,636	638326.16	4271272.29	UCART1	9.53
1,637	638366.16	4271272.29	UCART1	9.43
1,638	633366.16	4271312.29	UCART1	7.32
1,639	633406.16	4271312.29	UCART1	7.32
1,640	633446.16	4271312.29	UCART1	7.32
1,641	633486.16	4271312.29	UCART1	7.32
1,642	633526.16	4271312.29	UCART1	7.32
1,643	633606.16	4271312.29	UCART1	7.62
1,644	633646.16	4271312.29	UCART1	7.62
1,645	633686.16	4271312.29	UCART1	7.62
1,646	633846.16	4271312.29	UCART1	7.62
1,647	633886.16	4271312.29	UCART1	7.39
1,648	633926.16	4271312.29	UCART1	7.50
1,649	634006.16	4271312.29	UCART1	7.62
1,650	634126.16	4271312.29	UCART1	7.62
1,651	634166.16	4271312.29	UCART1	7.63
1,652	634206.16	4271312.29	UCART1	7.80
1,653	634246.16	4271312.29	UCART1	7.89
1,654	634726.16	4271312.29	UCART1	7.36
1,655	634766.16	4271312.29	UCART1	7.32
1,656	634846.16	4271312.29	UCART1	7.32
1,657	634886.16	4271312.29	UCART1	7.33
1,658	634926.16	4271312.29	UCART1	7.49
1,659	634966.16	4271312.29	UCART1	7.49
1,660	635046.16	4271312.29	UCART1	7.42
1,661	635086.16	4271312.29	UCART1	7.32
1,662	635166.16	4271312.29	UCART1	7.32
1,663	635206.16	4271312.29	UCART1	7.32
1,664	635246.16	4271312.29	UCART1	7.33

1,665	635286.16	4271312.29	UCART1	7.54
1,666	635326.16	4271312.29	UCART1	7.62
1,667	635406.16	4271312.29	UCART1	8.00
1,668	635446.16	4271312.29	UCART1	8.20
1,669	635486.16	4271312.29	UCART1	8.09
1,670	635526.16	4271312.29	UCART1	7.92
1,671	635566.16	4271312.29	UCART1	7.92
1,672	635606.16	4271312.29	UCART1	7.90
1,673	635646.16	4271312.29	UCART1	7.62
1,674	635686.16	4271312.29	UCART1	7.62
1,675	635726.16	4271312.29	UCART1	7.62
1,676	635766.16	4271312.29	UCART1	7.69
1,677	635926.16	4271312.29	UCART1	8.99
1,678	635966.16	4271312.29	UCART1	9.26
1,679	636006.16	4271312.29	UCART1	9.14
1,680	636126.16	4271312.29	UCART1	8.97
1,681	636166.16	4271312.29	UCART1	8.87
1,682	636206.16	4271312.29	UCART1	8.83
1,683	636246.16	4271312.29	UCART1	8.66
1,684	636286.16	4271312.29	UCART1	8.66
1,685	636326.16	4271312.29	UCART1	8.85
1,686	636366.16	4271312.29	UCART1	8.97
1,687	636406.16	4271312.29	UCART1	8.97
1,688	636446.16	4271312.29	UCART1	8.97
1,689	636486.16	4271312.29	UCART1	8.97
1,690	636526.16	4271312.29	UCART1	8.97
1,691	636566.16	4271312.29	UCART1	8.85
1,692	636606.16	4271312.29	UCART1	9.04
1,693	636646.16	4271312.29	UCART1	9.14
1,694	636686.16	4271312.29	UCART1	9.14
1,695	636726.16	4271312.29	UCART1	9.14
1,696	636766.16	4271312.29	UCART1	9.14
1,697	636806.16	4271312.29	UCART1	9.17
1,698	636846.16	4271312.29	UCART1	9.45
1,699	636886.16	4271312.29	UCART1	9.45
1,700	636926.16	4271312.29	UCART1	9.45
1,701	636966.16	4271312.29	UCART1	9.52
1,702	637006.16	4271312.29	UCART1	9.63

1,703	637046.16	4271312.29	UCART1	9.63
1,704	637086.16	4271312.29	UCART1	9.75
1,705	637846.16	4271312.29	UCART1	9.11
1,706	637886.16	4271312.29	UCART1	9.47
1,707	637966.16	4271312.29	UCART1	10.28
1,708	638086.16	4271312.29	UCART1	10.44
1,709	638126.16	4271312.29	UCART1	10.35
1,710	638166.16	4271312.29	UCART1	10.13
1,711	638206.16	4271312.29	UCART1	10.06
1,712	638246.16	4271312.29	UCART1	9.87
1,713	638286.16	4271312.29	UCART1	9.75
1,714	638326.16	4271312.29	UCART1	9.53
1,715	638366.16	4271312.29	UCART1	9.43
1,716	633366.16	4271352.29	UCART1	7.32
1,717	633406.16	4271352.29	UCART1	7.32
1,718	633446.16	4271352.29	UCART1	7.32
1,719	633486.16	4271352.29	UCART1	7.32
1,720	633526.16	4271352.29	UCART1	7.32
1,721	633566.16	4271352.29	UCART1	7.34
1,722	633606.16	4271352.29	UCART1	7.62
1,723	633646.16	4271352.29	UCART1	7.62
1,724	633686.16	4271352.29	UCART1	7.62
1,725	633726.16	4271352.29	UCART1	7.62
1,726	633886.16	4271352.29	UCART1	7.60
1,727	634006.16	4271352.29	UCART1	7.62
1,728	634046.16	4271352.29	UCART1	7.64
1,729	634086.16	4271352.29	UCART1	7.90
1,730	634126.16	4271352.29	UCART1	7.69
1,731	634806.16	4271352.29	UCART1	7.32
1,732	634846.16	4271352.29	UCART1	7.32
1,733	634886.16	4271352.29	UCART1	7.34
1,734	634926.16	4271352.29	UCART1	7.62
1,735	634966.16	4271352.29	UCART1	7.62
1,736	635006.16	4271352.29	UCART1	7.62
1,737	635046.16	4271352.29	UCART1	7.61
1,738	635126.16	4271352.29	UCART1	7.59
1,739	635206.16	4271352.29	UCART1	7.59
1,740	635246.16	4271352.29	UCART1	7.60

1,741	635326.16	4271352.29	UCART1	7.62
1,742	635366.16	4271352.29	UCART1	7.92
1,743	635406.16	4271352.29	UCART1	8.05
1,744	635446.16	4271352.29	UCART1	8.23
1,745	635486.16	4271352.29	UCART1	8.21
1,746	635526.16	4271352.29	UCART1	7.92
1,747	635566.16	4271352.29	UCART1	7.72
1,748	635606.16	4271352.29	UCART1	7.90
1,749	635646.16	4271352.29	UCART1	7.73
1,750	635686.16	4271352.29	UCART1	7.90
1,751	635846.16	4271352.29	UCART1	9.33
1,752	635886.16	4271352.29	UCART1	9.15
1,753	636006.16	4271352.29	UCART1	8.87
1,754	636046.16	4271352.29	UCART1	8.87
1,755	636086.16	4271352.29	UCART1	8.82
1,756	636126.16	4271352.29	UCART1	8.56
1,757	636166.16	4271352.29	UCART1	8.56
1,758	636206.16	4271352.29	UCART1	8.56
1,759	636246.16	4271352.29	UCART1	8.53
1,760	636286.16	4271352.29	UCART1	8.53
1,761	636326.16	4271352.29	UCART1	8.56
1,762	636366.16	4271352.29	UCART1	8.56
1,763	636406.16	4271352.29	UCART1	8.56
1,764	636606.16	4271352.29	UCART1	9.13
1,765	636646.16	4271352.29	UCART1	9.14
1,766	636686.16	4271352.29	UCART1	9.14
1,767	636726.16	4271352.29	UCART1	9.14
1,768	636766.16	4271352.29	UCART1	9.14
1,769	636806.16	4271352.29	UCART1	9.15
1,770	636846.16	4271352.29	UCART1	9.17
1,771	636886.16	4271352.29	UCART1	9.38
1,772	636926.16	4271352.29	UCART1	9.45
1,773	636966.16	4271352.29	UCART1	9.57
1,774	637006.16	4271352.29	UCART1	9.75
1,775	637046.16	4271352.29	UCART1	9.77
1,776	637086.16	4271352.29	UCART1	9.92
1,777	637846.16	4271352.29	UCART1	9.14
1,778	637886.16	4271352.29	UCART1	9.47

1,779	637966.16	4271352.29	UCART1	10.28
1,780	638086.16	4271352.29	UCART1	10.44
1,781	638126.16	4271352.29	UCART1	10.34
1,782	638166.16	4271352.29	UCART1	10.06
1,783	638206.16	4271352.29	UCART1	10.06
1,784	638246.16	4271352.29	UCART1	9.75
1,785	638286.16	4271352.29	UCART1	9.75
1,786	638326.16	4271352.29	UCART1	9.53
1,787	638366.16	4271352.29	UCART1	9.43
1,788	633366.16	4271392.29	UCART1	7.32
1,789	633406.16	4271392.29	UCART1	7.32
1,790	633446.16	4271392.29	UCART1	7.32
1,791	633486.16	4271392.29	UCART1	7.32
1,792	633526.16	4271392.29	UCART1	7.32
1,793	633566.16	4271392.29	UCART1	7.34
1,794	633646.16	4271392.29	UCART1	7.62
1,795	633686.16	4271392.29	UCART1	7.62
1,796	633726.16	4271392.29	UCART1	7.62
1,797	633886.16	4271392.29	UCART1	7.62
1,798	633926.16	4271392.29	UCART1	7.62
1,799	633966.16	4271392.29	UCART1	7.62
1,800	634006.16	4271392.29	UCART1	7.85
1,801	634046.16	4271392.29	UCART1	8.24
1,802	634086.16	4271392.29	UCART1	8.30
1,803	634126.16	4271392.29	UCART1	8.30
1,804	634166.16	4271392.29	UCART1	8.31
1,805	634246.16	4271392.29	UCART1	8.61
1,806	634286.16	4271392.29	UCART1	8.61
1,807	634846.16	4271392.29	UCART1	7.45
1,808	634886.16	4271392.29	UCART1	7.62
1,809	634926.16	4271392.29	UCART1	7.65
1,810	634966.16	4271392.29	UCART1	7.86
1,811	635006.16	4271392.29	UCART1	7.69
1,812	635126.16	4271392.29	UCART1	7.62
1,813	635166.16	4271392.29	UCART1	7.62
1,814	635246.16	4271392.29	UCART1	7.62
1,815	635286.16	4271392.29	UCART1	7.62
1,816	635326.16	4271392.29	UCART1	7.68

1,817	635366.16	4271392.29	UCART1	7.95
1,818	635406.16	4271392.29	UCART1	8.26
1,819	635446.16	4271392.29	UCART1	8.25
1,820	635486.16	4271392.29	UCART1	8.21
1,821	635526.16	4271392.29	UCART1	7.80
1,822	635566.16	4271392.29	UCART1	7.68
1,823	635606.16	4271392.29	UCART1	7.83
1,824	635766.16	4271392.29	UCART1	9.14
1,825	635806.16	4271392.29	UCART1	9.14
1,826	635886.16	4271392.29	UCART1	9.07
1,827	635926.16	4271392.29	UCART1	8.84
1,828	635966.16	4271392.29	UCART1	8.76
1,829	636006.16	4271392.29	UCART1	8.64
1,830	636046.16	4271392.29	UCART1	8.46
1,831	636086.16	4271392.29	UCART1	8.46
1,832	636126.16	4271392.29	UCART1	8.37
1,833	636166.16	4271392.29	UCART1	8.23
1,834	636206.16	4271392.29	UCART1	8.23
1,835	636246.16	4271392.29	UCART1	8.20
1,836	636286.16	4271392.29	UCART1	8.15
1,837	636326.16	4271392.29	UCART1	8.15
1,838	636366.16	4271392.29	UCART1	8.15
1,839	636406.16	4271392.29	UCART1	8.15
1,840	636446.16	4271392.29	UCART1	8.15
1,841	636486.16	4271392.29	UCART1	8.15
1,842	636526.16	4271392.29	UCART1	8.55
1,843	636566.16	4271392.29	UCART1	8.93
1,844	636606.16	4271392.29	UCART1	9.14
1,845	636646.16	4271392.29	UCART1	9.14
1,846	636686.16	4271392.29	UCART1	9.14
1,847	636726.16	4271392.29	UCART1	9.14
1,848	636766.16	4271392.29	UCART1	9.14
1,849	636806.16	4271392.29	UCART1	9.14
1,850	636846.16	4271392.29	UCART1	9.14
1,851	636886.16	4271392.29	UCART1	9.14
1,852	636926.16	4271392.29	UCART1	9.38
1,853	636966.16	4271392.29	UCART1	9.57
1,854	637006.16	4271392.29	UCART1	9.81

1,855	637046.16	4271392.29	UCART1	10.13
1,856	637846.16	4271392.29	UCART1	9.14
1,857	637886.16	4271392.29	UCART1	9.47
1,858	637966.16	4271392.29	UCART1	10.28
1,859	638086.16	4271392.29	UCART1	10.44
1,860	638126.16	4271392.29	UCART1	10.34
1,861	638166.16	4271392.29	UCART1	10.06
1,862	638206.16	4271392.29	UCART1	10.00
1,863	638246.16	4271392.29	UCART1	9.75
1,864	638286.16	4271392.29	UCART1	9.72
1,865	638326.16	4271392.29	UCART1	9.51
1,866	638366.16	4271392.29	UCART1	9.43
1,867	633406.16	4271432.29	UCART1	7.32
1,868	633446.16	4271432.29	UCART1	7.32
1,869	633486.16	4271432.29	UCART1	7.32
1,870	633526.16	4271432.29	UCART1	7.32
1,871	633566.16	4271432.29	UCART1	7.34
1,872	633646.16	4271432.29	UCART1	7.62
1,873	633766.16	4271432.29	UCART1	7.62
1,874	633926.16	4271432.29	UCART1	7.63
1,875	633966.16	4271432.29	UCART1	7.87
1,876	634006.16	4271432.29	UCART1	8.20
1,877	634046.16	4271432.29	UCART1	8.43
1,878	634086.16	4271432.29	UCART1	8.71
1,879	634126.16	4271432.29	UCART1	8.84
1,880	634166.16	4271432.29	UCART1	8.90
1,881	634966.16	4271432.29	UCART1	7.88
1,882	635006.16	4271432.29	UCART1	7.92
1,883	635046.16	4271432.29	UCART1	7.80
1,884	635086.16	4271432.29	UCART1	7.80
1,885	635166.16	4271432.29	UCART1	7.80
1,886	635206.16	4271432.29	UCART1	7.89
1,887	635246.16	4271432.29	UCART1	7.80
1,888	635286.16	4271432.29	UCART1	7.80
1,889	635326.16	4271432.29	UCART1	8.02
1,890	635366.16	4271432.29	UCART1	8.12
1,891	635406.16	4271432.29	UCART1	8.46
1,892	635486.16	4271432.29	UCART1	8.04

1,893	635526.16	4271432.29	UCART1	7.87
1,894	635686.16	4271432.29	UCART1	9.12
1,895	635726.16	4271432.29	UCART1	9.14
1,896	635806.16	4271432.29	UCART1	8.97
1,897	635846.16	4271432.29	UCART1	8.66
1,898	635886.16	4271432.29	UCART1	8.66
1,899	635926.16	4271432.29	UCART1	8.44
1,900	636006.16	4271432.29	UCART1	8.31
1,901	636046.16	4271432.29	UCART1	8.10
1,902	636086.16	4271432.29	UCART1	8.05
1,903	636126.16	4271432.29	UCART1	8.05
1,904	637846.16	4271432.29	UCART1	9.10
1,905	637886.16	4271432.29	UCART1	9.47
1,906	637966.16	4271432.29	UCART1	10.28
1,907	638086.16	4271432.29	UCART1	10.44
1,908	638126.16	4271432.29	UCART1	10.34
1,909	638166.16	4271432.29	UCART1	10.06
1,910	638206.16	4271432.29	UCART1	9.83
1,911	638246.16	4271432.29	UCART1	9.75
1,912	638366.16	4271432.29	UCART1	9.43
1,913	633406.16	4271472.29	UCART1	7.32
1,914	633446.16	4271472.29	UCART1	7.32
1,915	633486.16	4271472.29	UCART1	7.32
1,916	633526.16	4271472.29	UCART1	7.32
1,917	633766.16	4271472.29	UCART1	7.62
1,918	633806.16	4271472.29	UCART1	7.62
1,919	633886.16	4271472.29	UCART1	7.83
1,920	633926.16	4271472.29	UCART1	8.20
1,921	633966.16	4271472.29	UCART1	8.49
1,922	634006.16	4271472.29	UCART1	8.73
1,923	634046.16	4271472.29	UCART1	9.09
1,924	634966.16	4271472.29	UCART1	7.92
1,925	635006.16	4271472.29	UCART1	7.92
1,926	635126.16	4271472.29	UCART1	7.95
1,927	635166.16	4271472.29	UCART1	8.20
1,928	635206.16	4271472.29	UCART1	8.20
1,929	635246.16	4271472.29	UCART1	8.20
1,930	635286.16	4271472.29	UCART1	8.20

1,931	635326.16	4271472.29	UCART1	8.43
1,932	635406.16	4271472.29	UCART1	8.81
1,933	635446.16	4271472.29	UCART1	8.83
1,934	635606.16	4271472.29	UCART1	9.35
1,935	635646.16	4271472.29	UCART1	9.15
1,936	635686.16	4271472.29	UCART1	9.15
1,937	635726.16	4271472.29	UCART1	8.87
1,938	635766.16	4271472.29	UCART1	8.86
1,939	635806.16	4271472.29	UCART1	8.63
1,940	635846.16	4271472.29	UCART1	8.51
1,941	635886.16	4271472.29	UCART1	8.26
1,942	635926.16	4271472.29	UCART1	8.03
1,943	637846.16	4271472.29	UCART1	9.06
1,944	637886.16	4271472.29	UCART1	9.47
1,945	637966.16	4271472.29	UCART1	10.28
1,946	638086.16	4271472.29	UCART1	10.37
1,947	638126.16	4271472.29	UCART1	10.34
1,948	638166.16	4271472.29	UCART1	9.95
1,949	638206.16	4271472.29	UCART1	9.76
1,950	638326.16	4271472.29	UCART1	9.45
1,951	638366.16	4271472.29	UCART1	9.45
1,952	633406.16	4271512.29	UCART1	7.56
1,953	633446.16	4271512.29	UCART1	7.62
1,954	633486.16	4271512.29	UCART1	7.62
1,955	633806.16	4271512.29	UCART1	7.62
1,956	633926.16	4271512.29	UCART1	8.13
1,957	633966.16	4271512.29	UCART1	8.80
1,958	634126.16	4271512.29	UCART1	7.30
1,959	634166.16	4271512.29	UCART1	7.13
1,960	634206.16	4271512.29	UCART1	6.15
1,961	634246.16	4271512.29	UCART1	5.17
1,962	634286.16	4271512.29	UCART1	6.44
1,963	634326.16	4271512.29	UCART1	6.98
1,964	634366.16	4271512.29	UCART1	7.17
1,965	634406.16	4271512.29	UCART1	7.16
1,966	634446.16	4271512.29	UCART1	6.72
1,967	635006.16	4271512.29	UCART1	8.23
1,968	635166.16	4271512.29	UCART1	8.30

1,969	635206.16	4271512.29	UCART1	8.47
1,970	635246.16	4271512.29	UCART1	8.61
1,971	635326.16	4271512.29	UCART1	8.78
1,972	635366.16	4271512.29	UCART1	8.91
1,973	635526.16	4271512.29	UCART1	9.07
1,974	635566.16	4271512.29	UCART1	9.29
1,975	635606.16	4271512.29	UCART1	9.36
1,976	635646.16	4271512.29	UCART1	9.14
1,977	635686.16	4271512.29	UCART1	9.09
1,978	635726.16	4271512.29	UCART1	8.74
1,979	635766.16	4271512.29	UCART1	8.46
1,980	635806.16	4271512.29	UCART1	8.23
1,981	635846.16	4271512.29	UCART1	8.13
1,982	637846.16	4271512.29	UCART1	8.99
1,983	637886.16	4271512.29	UCART1	9.47
1,984	637966.16	4271512.29	UCART1	10.28
1,985	638086.16	4271512.29	UCART1	10.38
1,986	638126.16	4271512.29	UCART1	10.05
1,987	638166.16	4271512.29	UCART1	9.89
1,988	638206.16	4271512.29	UCART1	9.70
1,989	638286.16	4271512.29	UCART1	9.37
1,990	638326.16	4271512.29	UCART1	9.37
1,991	638366.16	4271512.29	UCART1	9.36
1,992	633406.16	4271552.29	UCART1	7.62
1,993	633446.16	4271552.29	UCART1	7.62
1,994	633486.16	4271552.29	UCART1	7.62
1,995	633526.16	4271552.29	UCART1	7.62
1,996	633766.16	4271552.29	UCART1	7.62
1,997	633806.16	4271552.29	UCART1	7.62
1,998	633846.16	4271552.29	UCART1	7.62
1,999	634086.16	4271552.29	UCART1	6.55
2,000	634126.16	4271552.29	UCART1	6.66
2,001	634166.16	4271552.29	UCART1	6.14
2,002	634206.16	4271552.29	UCART1	5.31
2,003	634246.16	4271552.29	UCART1	4.88
2,004	634286.16	4271552.29	UCART1	5.36
2,005	634326.16	4271552.29	UCART1	6.17
2,006	634366.16	4271552.29	UCART1	6.35

2,007	634406.16	4271552.29	UCART1	6.30
2,008	634446.16	4271552.29	UCART1	5.45
2,009	634486.16	4271552.29	UCART1	5.93
2,010	634526.16	4271552.29	UCART1	7.00
2,011	634566.16	4271552.29	UCART1	7.50
2,012	635446.16	4271552.29	UCART1	9.01
2,013	635486.16	4271552.29	UCART1	8.96
2,014	635526.16	4271552.29	UCART1	8.84
2,015	635566.16	4271552.29	UCART1	9.06
2,016	635606.16	4271552.29	UCART1	8.97
2,017	635646.16	4271552.29	UCART1	8.97
2,018	635686.16	4271552.29	UCART1	8.74
2,019	635726.16	4271552.29	UCART1	8.35
2,020	635766.16	4271552.29	UCART1	8.16
2,021	633446.16	4271592.29	UCART1	7.62
2,022	633486.16	4271592.29	UCART1	7.62
2,023	633526.16	4271592.29	UCART1	7.62
2,024	633646.16	4271592.29	UCART1	7.62
2,025	633686.16	4271592.29	UCART1	7.62
2,026	633726.16	4271592.29	UCART1	7.62
2,027	633766.16	4271592.29	UCART1	7.83
2,028	633806.16	4271592.29	UCART1	8.14
2,029	634046.16	4271592.29	UCART1	6.12
2,030	634086.16	4271592.29	UCART1	6.22
2,031	634126.16	4271592.29	UCART1	6.20
2,032	634166.16	4271592.29	UCART1	5.75
2,033	634206.16	4271592.29	UCART1	4.96
2,034	634246.16	4271592.29	UCART1	4.80
2,035	634286.16	4271592.29	UCART1	5.21
2,036	634326.16	4271592.29	UCART1	5.52
2,037	634366.16	4271592.29	UCART1	5.54
2,038	634406.16	4271592.29	UCART1	5.00
2,039	634446.16	4271592.29	UCART1	5.31
2,040	634486.16	4271592.29	UCART1	5.94
2,041	634526.16	4271592.29	UCART1	6.47
2,042	634566.16	4271592.29	UCART1	7.04
2,043	634606.16	4271592.29	UCART1	7.26
2,044	634646.16	4271592.29	UCART1	7.35

2,045	635086.16	4271592.29	UCART1	8.74
2,046	635126.16	4271592.29	UCART1	8.81
2,047	635166.16	4271592.29	UCART1	8.84
2,048	635206.16	4271592.29	UCART1	9.04
2,049	635366.16	4271592.29	UCART1	9.12
2,050	635406.16	4271592.29	UCART1	8.87
2,051	635446.16	4271592.29	UCART1	8.85
2,052	635486.16	4271592.29	UCART1	8.84
2,053	635526.16	4271592.29	UCART1	8.84
2,054	635566.16	4271592.29	UCART1	8.86
2,055	635606.16	4271592.29	UCART1	8.82
2,056	635646.16	4271592.29	UCART1	8.56
2,057	635686.16	4271592.29	UCART1	8.34
2,058	638046.16	4271592.29	UCART1	10.55
2,059	638086.16	4271592.29	UCART1	10.37
2,060	638126.16	4271592.29	UCART1	10.04
2,061	638166.16	4271592.29	UCART1	9.63
2,062	638206.16	4271592.29	UCART1	9.24
2,063	638246.16	4271592.29	UCART1	9.14
2,064	638286.16	4271592.29	UCART1	9.14
2,065	638326.16	4271592.29	UCART1	9.14
2,066	638366.16	4271592.29	UCART1	9.14
2,067	633446.16	4271632.29	UCART1	7.63
2,068	633486.16	4271632.29	UCART1	7.69
2,069	633526.16	4271632.29	UCART1	7.75
2,070	633566.16	4271632.29	UCART1	7.85
2,071	633606.16	4271632.29	UCART1	7.92
2,072	633646.16	4271632.29	UCART1	8.20
2,073	634046.16	4271632.29	UCART1	6.17
2,074	634086.16	4271632.29	UCART1	6.10
2,075	634126.16	4271632.29	UCART1	6.10
2,076	634166.16	4271632.29	UCART1	6.06
2,077	634206.16	4271632.29	UCART1	5.26
2,078	634246.16	4271632.29	UCART1	4.84
2,079	634286.16	4271632.29	UCART1	5.11
2,080	634326.16	4271632.29	UCART1	5.08
2,081	634366.16	4271632.29	UCART1	4.92
2,082	634406.16	4271632.29	UCART1	4.79

2,083	634446.16	4271632.29	UCART1	4.86
2,084	634486.16	4271632.29	UCART1	5.86
2,085	634526.16	4271632.29	UCART1	6.40
2,086	634566.16	4271632.29	UCART1	6.40
2,087	634606.16	4271632.29	UCART1	6.57
2,088	634646.16	4271632.29	UCART1	6.86
2,089	634686.16	4271632.29	UCART1	6.95
2,090	635086.16	4271632.29	UCART1	8.89
2,091	635126.16	4271632.29	UCART1	8.93
2,092	635166.16	4271632.29	UCART1	9.14
2,093	635286.16	4271632.29	UCART1	9.07
2,094	635326.16	4271632.29	UCART1	8.90
2,095	635366.16	4271632.29	UCART1	8.84
2,096	635406.16	4271632.29	UCART1	8.84
2,097	635446.16	4271632.29	UCART1	8.84
2,098	635486.16	4271632.29	UCART1	8.84
2,099	635526.16	4271632.29	UCART1	8.88
2,100	635566.16	4271632.29	UCART1	8.61
2,101	635606.16	4271632.29	UCART1	8.44
2,102	635646.16	4271632.29	UCART1	8.06
2,103	638046.16	4271632.29	UCART1	10.54
2,104	638086.16	4271632.29	UCART1	10.14
2,105	638126.16	4271632.29	UCART1	9.97
2,106	638166.16	4271632.29	UCART1	9.63
2,107	638206.16	4271632.29	UCART1	9.22
2,108	638246.16	4271632.29	UCART1	9.15
2,109	638286.16	4271632.29	UCART1	9.31
2,110	638326.16	4271632.29	UCART1	9.45
2,111	638366.16	4271632.29	UCART1	9.45
2,112	634126.16	4271672.29	UCART1	6.49
2,113	634166.16	4271672.29	UCART1	6.44
2,114	634206.16	4271672.29	UCART1	6.12
2,115	634246.16	4271672.29	UCART1	5.66
2,116	634286.16	4271672.29	UCART1	5.03
2,117	634326.16	4271672.29	UCART1	4.65
2,118	634366.16	4271672.29	UCART1	4.67
2,119	634406.16	4271672.29	UCART1	4.61
2,120	634446.16	4271672.29	UCART1	5.25

2,121	634486.16	4271672.29	UCART1	5.95
2,122	634526.16	4271672.29	UCART1	6.22
2,123	634566.16	4271672.29	UCART1	6.22
2,124	634606.16	4271672.29	UCART1	6.22
2,125	634646.16	4271672.29	UCART1	6.22
2,126	634686.16	4271672.29	UCART1	6.22
2,127	634726.16	4271672.29	UCART1	6.22
2,128	635206.16	4271672.29	UCART1	9.14
2,129	635246.16	4271672.29	UCART1	8.96
2,130	635286.16	4271672.29	UCART1	8.84
2,131	635326.16	4271672.29	UCART1	8.84
2,132	635366.16	4271672.29	UCART1	8.66
2,133	635406.16	4271672.29	UCART1	8.66
2,134	635446.16	4271672.29	UCART1	8.79
2,135	635486.16	4271672.29	UCART1	8.86
2,136	635526.16	4271672.29	UCART1	9.02
2,137	635566.16	4271672.29	UCART1	8.48
2,138	638046.16	4271672.29	UCART1	10.54
2,139	638086.16	4271672.29	UCART1	10.14
2,140	638126.16	4271672.29	UCART1	9.75
2,141	638166.16	4271672.29	UCART1	9.63
2,142	638206.16	4271672.29	UCART1	8.83
2,143	638246.16	4271672.29	UCART1	9.17
2,144	638286.16	4271672.29	UCART1	9.45
2,145	638326.16	4271672.29	UCART1	9.45
2,146	638366.16	4271672.29	UCART1	9.63
2,147	634166.16	4271712.29	UCART1	6.98
2,148	634206.16	4271712.29	UCART1	6.84
2,149	634246.16	4271712.29	UCART1	6.45
2,150	634286.16	4271712.29	UCART1	6.27
2,151	634326.16	4271712.29	UCART1	5.85
2,152	634366.16	4271712.29	UCART1	5.07
2,153	634406.16	4271712.29	UCART1	5.19
2,154	634446.16	4271712.29	UCART1	6.04
2,155	634486.16	4271712.29	UCART1	6.09
2,156	634526.16	4271712.29	UCART1	6.12
2,157	634566.16	4271712.29	UCART1	6.37
2,158	634606.16	4271712.29	UCART1	6.37

2,159	634646.16	4271712.29	UCART1	6.37
2,160	634686.16	4271712.29	UCART1	6.37
2,161	634726.16	4271712.29	UCART1	6.37
2,162	634766.16	4271712.29	UCART1	7.29
2,163	635166.16	4271712.29	UCART1	9.14
2,164	635206.16	4271712.29	UCART1	8.94
2,165	635246.16	4271712.29	UCART1	8.84
2,166	635286.16	4271712.29	UCART1	8.84
2,167	635326.16	4271712.29	UCART1	8.84
2,168	635366.16	4271712.29	UCART1	8.53
2,169	635406.16	4271712.29	UCART1	8.53
2,170	635446.16	4271712.29	UCART1	8.55
2,171	635486.16	4271712.29	UCART1	8.86
2,172	635526.16	4271712.29	UCART1	8.91
2,173	638046.16	4271712.29	UCART1	10.10
2,174	638086.16	4271712.29	UCART1	9.86
2,175	638126.16	4271712.29	UCART1	9.73
2,176	638166.16	4271712.29	UCART1	9.46
2,177	638206.16	4271712.29	UCART1	7.93
2,178	638326.16	4271712.29	UCART1	9.65
2,179	638366.16	4271712.29	UCART1	9.77
2,180	634246.16	4271752.29	UCART1	6.94
2,181	634286.16	4271752.29	UCART1	6.47
2,182	634326.16	4271752.29	UCART1	6.31
2,183	634366.16	4271752.29	UCART1	6.17
2,184	634406.16	4271752.29	UCART1	6.20
2,185	634446.16	4271752.29	UCART1	6.55
2,186	634486.16	4271752.29	UCART1	6.55
2,187	634526.16	4271752.29	UCART1	6.78
2,188	634566.16	4271752.29	UCART1	6.78
2,189	634606.16	4271752.29	UCART1	6.78
2,190	634646.16	4271752.29	UCART1	6.76
2,191	634686.16	4271752.29	UCART1	6.48
2,192	634726.16	4271752.29	UCART1	6.48
2,193	634766.16	4271752.29	UCART1	7.05
2,194	634806.16	4271752.29	UCART1	7.45
2,195	635166.16	4271752.29	UCART1	8.84
2,196	635206.16	4271752.29	UCART1	8.84

2,197	635246.16	4271752.29	UCART1	8.84
2,198	635286.16	4271752.29	UCART1	8.84
2,199	635326.16	4271752.29	UCART1	8.61
2,200	635366.16	4271752.29	UCART1	8.53
2,201	635406.16	4271752.29	UCART1	8.37
2,202	635446.16	4271752.29	UCART1	8.17
2,203	638046.16	4271752.29	UCART1	9.75
2,204	638086.16	4271752.29	UCART1	9.75
2,205	638126.16	4271752.29	UCART1	9.73
2,206	638166.16	4271752.29	UCART1	8.93
2,207	633726.16	4271792.29	UCART1	7.22
2,208	634406.16	4271792.29	UCART1	6.95
2,209	634446.16	4271792.29	UCART1	7.19
2,210	634486.16	4271792.29	UCART1	7.19
2,211	634526.16	4271792.29	UCART1	7.19
2,212	634566.16	4271792.29	UCART1	7.19
2,213	634606.16	4271792.29	UCART1	7.19
2,214	634646.16	4271792.29	UCART1	7.18
2,215	634686.16	4271792.29	UCART1	6.99
2,216	634726.16	4271792.29	UCART1	6.88
2,217	634766.16	4271792.29	UCART1	7.03
2,218	634806.16	4271792.29	UCART1	7.32
2,219	634846.16	4271792.29	UCART1	7.54
2,220	635046.16	4271792.29	UCART1	9.07
2,221	635086.16	4271792.29	UCART1	9.00
2,222	635206.16	4271792.29	UCART1	9.02
2,223	635246.16	4271792.29	UCART1	9.02
2,224	635286.16	4271792.29	UCART1	8.94
2,225	635326.16	4271792.29	UCART1	8.74
2,226	635366.16	4271792.29	UCART1	8.69
2,227	635406.16	4271792.29	UCART1	8.26
2,228	638046.16	4271792.29	UCART1	9.68
2,229	638086.16	4271792.29	UCART1	9.58
2,230	638126.16	4271792.29	UCART1	9.72
2,231	638166.16	4271792.29	UCART1	8.78
2,232	638206.16	4271792.29	UCART1	8.99
2,233	638246.16	4271792.29	UCART1	9.46
2,234	638286.16	4271792.29	UCART1	9.68

2,235	638326.16	4271792.29	UCART1	9.88
2,236	638366.16	4271792.29	UCART1	10.08
2,237	634686.16	4271832.29	UCART1	7.47
2,238	634726.16	4271832.29	UCART1	7.29
2,239	634766.16	4271832.29	UCART1	7.29
2,240	634806.16	4271832.29	UCART1	7.32
2,241	634846.16	4271832.29	UCART1	7.34
2,242	635006.16	4271832.29	UCART1	9.16
2,243	635046.16	4271832.29	UCART1	9.30
2,244	635126.16	4271832.29	UCART1	9.42
2,245	635166.16	4271832.29	UCART1	9.42
2,246	635206.16	4271832.29	UCART1	9.42
2,247	635246.16	4271832.29	UCART1	9.42
2,248	635286.16	4271832.29	UCART1	9.30
2,249	635326.16	4271832.29	UCART1	9.12
2,250	635366.16	4271832.29	UCART1	9.12
2,251	638126.16	4271832.29	UCART1	9.05
2,252	638166.16	4271832.29	UCART1	7.98
2,253	638206.16	4271832.29	UCART1	9.36
2,254	638246.16	4271832.29	UCART1	9.47
2,255	638286.16	4271832.29	UCART1	9.87
2,256	638326.16	4271832.29	UCART1	10.05
2,257	638366.16	4271832.29	UCART1	10.34
2,258	635006.16	4271872.29	UCART1	8.60
2,259	635046.16	4271872.29	UCART1	8.54
2,260	635086.16	4271872.29	UCART1	8.99
2,261	635126.16	4271872.29	UCART1	9.47
2,262	635166.16	4271872.29	UCART1	9.68
2,263	635206.16	4271872.29	UCART1	9.68
2,264	635246.16	4271872.29	UCART1	9.45
2,265	635286.16	4271872.29	UCART1	9.32
2,266	635326.16	4271872.29	UCART1	9.09
2,267	638126.16	4271872.29	UCART1	8.05
2,268	638166.16	4271872.29	UCART1	8.90
2,269	638206.16	4271872.29	UCART1	9.39
2,270	638246.16	4271872.29	UCART1	9.76
2,271	638286.16	4271872.29	UCART1	9.92
2,272	638326.16	4271872.29	UCART1	10.11

2,273	638366.16	4271872.29	UCART1	10.39
2,274	635046.16	4271912.29	UCART1	7.92
2,275	635086.16	4271912.29	UCART1	8.67
2,276	635126.16	4271912.29	UCART1	9.27
2,277	635166.16	4271912.29	UCART1	9.27
2,278	635206.16	4271912.29	UCART1	9.27
2,279	635246.16	4271912.29	UCART1	9.11
2,280	635286.16	4271912.29	UCART1	9.15
2,281	638126.16	4271912.29	UCART1	9.32
2,282	638166.16	4271912.29	UCART1	9.37
2,283	638206.16	4271912.29	UCART1	9.58
2,284	638246.16	4271912.29	UCART1	9.78
2,285	638286.16	4271912.29	UCART1	10.06
2,286	638326.16	4271912.29	UCART1	10.28
2,287	638366.16	4271912.29	UCART1	10.55
2,288	635126.16	4271952.29	UCART1	9.14
2,289	635166.16	4271952.29	UCART1	9.14
2,290	635206.16	4271952.29	UCART1	9.14
2,291	635246.16	4271952.29	UCART1	8.84
2,292	638206.16	4271952.29	UCART1	9.75
2,293	638246.16	4271952.29	UCART1	10.03
2,294	638286.16	4271952.29	UCART1	10.17
2,295	638326.16	4271952.29	UCART1	10.36
2,296	638366.16	4271952.29	UCART1	10.67
2,297	635166.16	4271992.29	UCART1	9.07
2,298	635206.16	4271992.29	UCART1	9.01
2,299	638046.16	4271992.29	UCART1	9.52
2,300	638086.16	4271992.29	UCART1	9.52
2,301	638126.16	4271992.29	UCART1	9.75
2,302	638166.16	4271992.29	UCART1	9.78
2,303	638206.16	4271992.29	UCART1	9.83
2,304	638246.16	4271992.29	UCART1	10.06
2,305	638286.16	4271992.29	UCART1	10.18
2,306	638326.16	4271992.29	UCART1	10.36
2,307	638366.16	4271992.29	UCART1	10.69
2,308	638046.16	4272032.29	UCART1	9.83
2,309	638086.16	4272032.29	UCART1	9.93
2,310	638126.16	4272032.29	UCART1	9.93

2,311	638166.16	4272032.29	UCART1	9.98
2,312	638206.16	4272032.29	UCART1	10.06
2,313	638246.16	4272032.29	UCART1	10.07
2,314	638286.16	4272032.29	UCART1	10.29
2,315	638326.16	4272032.29	UCART1	10.36
2,316	638366.16	4272032.29	UCART1	10.69
2,317	638046.16	4272072.29	UCART1	10.04
2,318	638086.16	4272072.29	UCART1	10.06
2,319	638126.16	4272072.29	UCART1	10.06
2,320	638166.16	4272072.29	UCART1	10.06
2,321	638206.16	4272072.29	UCART1	10.06
2,322	638246.16	4272072.29	UCART1	10.34
2,323	638286.16	4272072.29	UCART1	10.36
2,324	638326.16	4272072.29	UCART1	10.57
2,325	638366.16	4272072.29	UCART1	10.69
2,326	633966.16	4272112.29	UCART1	9.55
2,327	638046.16	4272112.29	UCART1	10.36
2,328	638086.16	4272112.29	UCART1	10.36
2,329	638126.16	4272112.29	UCART1	10.36
2,330	638286.16	4272112.29	UCART1	10.36
2,331	638326.16	4272112.29	UCART1	10.36
2,332	638366.16	4272112.29	UCART1	10.67
2,333	638286.16	4272152.29	UCART1	10.36
2,334	638326.16	4272152.29	UCART1	10.36
2,335	638366.16	4272152.29	UCART1	10.67
2,336	638286.16	4272192.29	UCART1	10.36
2,337	638326.16	4272192.29	UCART1	10.36
2,338	638366.16	4272192.29	UCART1	10.67
2,339	634966.16	4272232.29	UCART1	9.39
2,340	638286.16	4272232.29	UCART1	10.67
2,341	638326.16	4272232.29	UCART1	10.67
2,342	638366.16	4272232.29	UCART1	10.67
2,343	634966.16	4272272.29	UCART1	8.10
2,344	638286.16	4272272.29	UCART1	10.67
2,345	638326.16	4272272.29	UCART1	10.67
2,346	638366.16	4272272.29	UCART1	10.67
2,347	634926.16	4272312.29	UCART1	7.97
2,348	634966.16	4272312.29	UCART1	7.93

2,349	638286.16	4272312.29	UCART1	10.67
2,350	638326.16	4272312.29	UCART1	10.87
2,351	638366.16	4272312.29	UCART1	10.95
2,352	638126.16	4272392.29	UCART1	12.06
2,353	638166.16	4272392.29	UCART1	12.06
2,354	638206.16	4272392.29	UCART1	12.06
2,355	638246.16	4272392.29	UCART1	12.04
2,356	638286.16	4272392.29	UCART1	11.76
2,357	638326.16	4272392.29	UCART1	11.89
2,358	638366.16	4272392.29	UCART1	11.92
2,359	638126.16	4272432.29	UCART1	12.47
2,360	638166.16	4272432.29	UCART1	12.36
2,361	638206.16	4272432.29	UCART1	12.19
2,362	638246.16	4272432.29	UCART1	12.19
2,363	638286.16	4272432.29	UCART1	12.17
2,364	638326.16	4272432.29	UCART1	12.19
2,365	638366.16	4272432.29	UCART1	12.19
2,366	638126.16	4272472.29	UCART1	12.50
2,367	638166.16	4272472.29	UCART1	12.50
2,368	638206.16	4272472.29	UCART1	12.50
2,369	638246.16	4272472.29	UCART1	12.43
2,370	638286.16	4272472.29	UCART1	12.50
2,371	638326.16	4272472.29	UCART1	12.50
2,372	638366.16	4272472.29	UCART1	12.26
2,373	638126.16	4272512.29	UCART1	12.66
2,374	638166.16	4272512.29	UCART1	12.57
2,375	638206.16	4272512.29	UCART1	12.41
2,376	638246.16	4272512.29	UCART1	12.04
2,377	638286.16	4272512.29	UCART1	12.32
2,378	638326.16	4272512.29	UCART1	12.45
2,379	638366.16	4272512.29	UCART1	12.49
2,380	638126.16	4272552.29	UCART1	12.78
2,381	638166.16	4272552.29	UCART1	12.39
2,382	638206.16	4272552.29	UCART1	11.59
2,383	638246.16	4272552.29	UCART1	11.14
2,384	638326.16	4272552.29	UCART1	12.49
2,385	638366.16	4272552.29	UCART1	12.50
2,386	638046.16	4272592.29	UCART1	10.25

2,387	638086.16	4272592.29	UCART1	11.08
2,388	638126.16	4272592.29	UCART1	11.12
2,389	638166.16	4272592.29	UCART1	10.87
2,390	638206.16	4272592.29	UCART1	10.65
2,391	638246.16	4272592.29	UCART1	11.06
2,392	638326.16	4272592.29	UCART1	12.48
2,393	638366.16	4272592.29	UCART1	12.50
2,394	638046.16	4272632.29	UCART1	9.11
2,395	638086.16	4272632.29	UCART1	9.83
2,396	638126.16	4272632.29	UCART1	10.66
2,397	638166.16	4272632.29	UCART1	10.47
2,398	638206.16	4272632.29	UCART1	10.59
2,399	638246.16	4272632.29	UCART1	11.04
2,400	638326.16	4272632.29	UCART1	12.42
2,401	638366.16	4272632.29	UCART1	12.68
2,402	638046.16	4272672.29	UCART1	9.87
2,403	638086.16	4272672.29	UCART1	10.79
2,404	638126.16	4272672.29	UCART1	10.95
2,405	638166.16	4272672.29	UCART1	10.82
2,406	638206.16	4272672.29	UCART1	10.46
2,407	638246.16	4272672.29	UCART1	10.70
2,408	638326.16	4272672.29	UCART1	11.99
2,409	638366.16	4272672.29	UCART1	12.54
2,410	638046.16	4272712.29	UCART1	10.76
2,411	638086.16	4272712.29	UCART1	11.52
2,412	638126.16	4272712.29	UCART1	11.64
2,413	638166.16	4272712.29	UCART1	11.21
2,414	638206.16	4272712.29	UCART1	10.67
2,415	638246.16	4272712.29	UCART1	10.74
2,416	638326.16	4272712.29	UCART1	11.18
2,417	638366.16	4272712.29	UCART1	12.21
2,418	638046.16	4272752.29	UCART1	11.78
2,419	638086.16	4272752.29	UCART1	12.03
2,420	638126.16	4272752.29	UCART1	12.06
2,421	638166.16	4272752.29	UCART1	12.01
2,422	638206.16	4272752.29	UCART1	11.84
2,423	638246.16	4272752.29	UCART1	11.49
2,424	638326.16	4272752.29	UCART1	10.76

2,425	638366.16	4272752.29	UCART1	12.04
2,426	638206.16	4272792.29	UCART1	12.26
2,427	638246.16	4272792.29	UCART1	12.16
2,428	638326.16	4272792.29	UCART1	11.38
2,429	638366.16	4272792.29	UCART1	11.91
2,430	638206.16	4272832.29	UCART1	12.42
2,431	638246.16	4272832.29	UCART1	12.50
2,432	638326.16	4272832.29	UCART1	12.10
2,433	638366.16	4272832.29	UCART1	11.98
2,434	638246.16	4272872.29	UCART1	12.50
2,435	638326.16	4272872.29	UCART1	12.40
2,436	638366.16	4272872.29	UCART1	12.37
2,437	638246.16	4272912.29	UCART1	12.50
2,438	638326.16	4272912.29	UCART1	12.70
2,439	638366.16	4272912.29	UCART1	12.78
2,440	638246.16	4272952.29	UCART1	12.43
2,441	638326.16	4272952.29	UCART1	12.80
2,442	638366.16	4272952.29	UCART1	12.89
2,443	638126.16	4272992.29	UCART1	11.15
2,444	638166.16	4272992.29	UCART1	10.71
2,445	638206.16	4272992.29	UCART1	10.99
2,446	638246.16	4272992.29	UCART1	12.21
2,447	638326.16	4272992.29	UCART1	12.80
2,448	638366.16	4272992.29	UCART1	13.11
2,449	638046.16	4273032.29	UCART1	10.40
2,450	638086.16	4273032.29	UCART1	11.63
2,451	638126.16	4273032.29	UCART1	12.55
2,452	638166.16	4273032.29	UCART1	12.08
2,453	638206.16	4273032.29	UCART1	11.20
2,454	638246.16	4273032.29	UCART1	12.21
2,455	638326.16	4273032.29	UCART1	12.52
2,456	638366.16	4273032.29	UCART1	12.85
2,457	638046.16	4273072.29	UCART1	10.39
2,458	638086.16	4273072.29	UCART1	10.84
2,459	638126.16	4273072.29	UCART1	11.59
2,460	638166.16	4273072.29	UCART1	11.31
2,461	638206.16	4273072.29	UCART1	10.90
2,462	638246.16	4273072.29	UCART1	12.06

2,463	638326.16	4273072.29	UCART1	12.18
2,464	638366.16	4273072.29	UCART1	12.47
2,465	635886.16	4273112.29	UCART1	7.92
2,466	635926.16	4273112.29	UCART1	8.06
2,467	635966.16	4273112.29	UCART1	8.10
2,468	636006.16	4273112.29	UCART1	8.10
2,469	636046.16	4273112.29	UCART1	8.10
2,470	636086.16	4273112.29	UCART1	8.10
2,471	636126.16	4273112.29	UCART1	8.15
2,472	636166.16	4273112.29	UCART1	8.23
2,473	636206.16	4273112.29	UCART1	8.53
2,474	636246.16	4273112.29	UCART1	8.66
2,475	636286.16	4273112.29	UCART1	8.84
2,476	636326.16	4273112.29	UCART1	8.84
2,477	637366.16	4273112.29	UCART1	12.79
2,478	638046.16	4273112.29	UCART1	10.84
2,479	638086.16	4273112.29	UCART1	10.71
2,480	638126.16	4273112.29	UCART1	10.29
2,481	638166.16	4273112.29	UCART1	9.67
2,482	638206.16	4273112.29	UCART1	9.91
2,483	638246.16	4273112.29	UCART1	11.25
2,484	638326.16	4273112.29	UCART1	11.66
2,485	638366.16	4273112.29	UCART1	12.08
2,486	635806.16	4273152.29	UCART1	8.20
2,487	635846.16	4273152.29	UCART1	8.20
2,488	635886.16	4273152.29	UCART1	8.20
2,489	635926.16	4273152.29	UCART1	8.22
2,490	635966.16	4273152.29	UCART1	8.23
2,491	636006.16	4273152.29	UCART1	8.23
2,492	636046.16	4273152.29	UCART1	8.23
2,493	636086.16	4273152.29	UCART1	8.23
2,494	636126.16	4273152.29	UCART1	8.23
2,495	636166.16	4273152.29	UCART1	8.23
2,496	636206.16	4273152.29	UCART1	8.53
2,497	636246.16	4273152.29	UCART1	8.66
2,498	636286.16	4273152.29	UCART1	8.84
2,499	636326.16	4273152.29	UCART1	8.84
2,500	635726.16	4273192.29	UCART1	9.07

2,501	635766.16	4273192.29	UCART1	8.88
2,502	635806.16	4273192.29	UCART1	8.38
2,503	635846.16	4273192.29	UCART1	8.30
2,504	635886.16	4273192.29	UCART1	8.30
2,505	635926.16	4273192.29	UCART1	8.47
2,506	635966.16	4273192.29	UCART1	8.53
2,507	636006.16	4273192.29	UCART1	8.44
2,508	636046.16	4273192.29	UCART1	8.25
2,509	636086.16	4273192.29	UCART1	8.23
2,510	636126.16	4273192.29	UCART1	8.23
2,511	636166.16	4273192.29	UCART1	8.28
2,512	636206.16	4273192.29	UCART1	8.56
2,513	636246.16	4273192.29	UCART1	8.84
2,514	636286.16	4273192.29	UCART1	8.89
2,515	636326.16	4273192.29	UCART1	8.91
2,516	635606.16	4273232.29	UCART1	8.15
2,517	635646.16	4273232.29	UCART1	8.89
2,518	635686.16	4273232.29	UCART1	8.92
2,519	635726.16	4273232.29	UCART1	8.84
2,520	635766.16	4273232.29	UCART1	8.84
2,521	635806.16	4273232.29	UCART1	8.61
2,522	635846.16	4273232.29	UCART1	8.53
2,523	635886.16	4273232.29	UCART1	8.53
2,524	635926.16	4273232.29	UCART1	8.53
2,525	635966.16	4273232.29	UCART1	8.70
2,526	636006.16	4273232.29	UCART1	8.53
2,527	636046.16	4273232.29	UCART1	8.44
2,528	636086.16	4273232.29	UCART1	8.23
2,529	636126.16	4273232.29	UCART1	8.30
2,530	636166.16	4273232.29	UCART1	8.50
2,531	636206.16	4273232.29	UCART1	8.56
2,532	636246.16	4273232.29	UCART1	8.91
2,533	636286.16	4273232.29	UCART1	9.11
2,534	636326.16	4273232.29	UCART1	9.14
2,535	636366.16	4273232.29	UCART1	9.02
2,536	635606.16	4273272.29	UCART1	8.53
2,537	635646.16	4273272.29	UCART1	8.96
2,538	635686.16	4273272.29	UCART1	8.92

2,539	635726.16	4273272.29	UCART1	8.84
2,540	635766.16	4273272.29	UCART1	8.84
2,541	635806.16	4273272.29	UCART1	8.82
2,542	635846.16	4273272.29	UCART1	8.81
2,543	635886.16	4273272.29	UCART1	8.81
2,544	635926.16	4273272.29	UCART1	8.81
2,545	635966.16	4273272.29	UCART1	8.84
2,546	636006.16	4273272.29	UCART1	8.70
2,547	636046.16	4273272.29	UCART1	8.53
2,548	636086.16	4273272.29	UCART1	8.23
2,549	636126.16	4273272.29	UCART1	8.24
2,550	636166.16	4273272.29	UCART1	8.46
2,551	636206.16	4273272.29	UCART1	8.81
2,552	636246.16	4273272.29	UCART1	8.96
2,553	636286.16	4273272.29	UCART1	9.14
2,554	636326.16	4273272.29	UCART1	9.14
2,555	636366.16	4273272.29	UCART1	9.02
2,556	636406.16	4273272.29	UCART1	8.84
2,557	635646.16	4273312.29	UCART1	9.14
2,558	635686.16	4273312.29	UCART1	8.97
2,559	635726.16	4273312.29	UCART1	8.84
2,560	635766.16	4273312.29	UCART1	8.84
2,561	635806.16	4273312.29	UCART1	8.84
2,562	635846.16	4273312.29	UCART1	8.84
2,563	635886.16	4273312.29	UCART1	8.84
2,564	635926.16	4273312.29	UCART1	8.89
2,565	635966.16	4273312.29	UCART1	8.91
2,566	636006.16	4273312.29	UCART1	8.75
2,567	636046.16	4273312.29	UCART1	8.55
2,568	636086.16	4273312.29	UCART1	8.45
2,569	636126.16	4273312.29	UCART1	8.40
2,570	636166.16	4273312.29	UCART1	8.53
2,571	636206.16	4273312.29	UCART1	8.84
2,572	636246.16	4273312.29	UCART1	8.96
2,573	636286.16	4273312.29	UCART1	9.14
2,574	636326.16	4273312.29	UCART1	9.14
2,575	636366.16	4273312.29	UCART1	9.14
2,576	636406.16	4273312.29	UCART1	8.92

2,577	636446.16	4273312.29	UCART1	8.84
2,578	636486.16	4273312.29	UCART1	8.84
2,579	638206.16	4273312.29	UCART1	10.20
2,580	638246.16	4273312.29	UCART1	11.91
2,581	638286.16	4273312.29	UCART1	12.32
2,582	638326.16	4273312.29	UCART1	12.50
2,583	638366.16	4273312.29	UCART1	12.50
2,584	635686.16	4273352.29	UCART1	9.14
2,585	635726.16	4273352.29	UCART1	9.00
2,586	635766.16	4273352.29	UCART1	8.84
2,587	635806.16	4273352.29	UCART1	8.84
2,588	635846.16	4273352.29	UCART1	8.85
2,589	635886.16	4273352.29	UCART1	9.02
2,590	635926.16	4273352.29	UCART1	9.11
2,591	635966.16	4273352.29	UCART1	9.13
2,592	636006.16	4273352.29	UCART1	8.94
2,593	636046.16	4273352.29	UCART1	8.61
2,594	636086.16	4273352.29	UCART1	8.42
2,595	636126.16	4273352.29	UCART1	8.53
2,596	636166.16	4273352.29	UCART1	8.53
2,597	636206.16	4273352.29	UCART1	8.85
2,598	636246.16	4273352.29	UCART1	9.07
2,599	636286.16	4273352.29	UCART1	9.14
2,600	636326.16	4273352.29	UCART1	9.14
2,601	636366.16	4273352.29	UCART1	9.14
2,602	636406.16	4273352.29	UCART1	8.92
2,603	636446.16	4273352.29	UCART1	8.84
2,604	636486.16	4273352.29	UCART1	8.84
2,605	636526.16	4273352.29	UCART1	8.84
2,606	636566.16	4273352.29	UCART1	9.14
2,607	636606.16	4273352.29	UCART1	9.14
2,608	638206.16	4273352.29	UCART1	10.30
2,609	638246.16	4273352.29	UCART1	11.76
2,610	638286.16	4273352.29	UCART1	12.42
2,611	638326.16	4273352.29	UCART1	12.63
2,612	638366.16	4273352.29	UCART1	12.66
2,613	635766.16	4273392.29	UCART1	9.12
2,614	635806.16	4273392.29	UCART1	9.12

2,615	635846.16	4273392.29	UCART1	8.86
2,616	635886.16	4273392.29	UCART1	9.26
2,617	635926.16	4273392.29	UCART1	9.42
2,618	635966.16	4273392.29	UCART1	9.40
2,619	636006.16	4273392.29	UCART1	9.13
2,620	636046.16	4273392.29	UCART1	8.69
2,621	636086.16	4273392.29	UCART1	8.51
2,622	636126.16	4273392.29	UCART1	8.37
2,623	636166.16	4273392.29	UCART1	8.53
2,624	636206.16	4273392.29	UCART1	8.86
2,625	636246.16	4273392.29	UCART1	9.14
2,626	636286.16	4273392.29	UCART1	9.14
2,627	636326.16	4273392.29	UCART1	9.14
2,628	636366.16	4273392.29	UCART1	9.14
2,629	636406.16	4273392.29	UCART1	9.12
2,630	636446.16	4273392.29	UCART1	8.84
2,631	636486.16	4273392.29	UCART1	8.95
2,632	636526.16	4273392.29	UCART1	9.12
2,633	636566.16	4273392.29	UCART1	9.14
2,634	636606.16	4273392.29	UCART1	9.26
2,635	636646.16	4273392.29	UCART1	9.65
2,636	635806.16	4273432.29	UCART1	8.91
2,637	635846.16	4273432.29	UCART1	9.07
2,638	635886.16	4273432.29	UCART1	9.27
2,639	635926.16	4273432.29	UCART1	9.50
2,640	635966.16	4273432.29	UCART1	9.80
2,641	636006.16	4273432.29	UCART1	9.34
2,642	636046.16	4273432.29	UCART1	9.07
2,643	636086.16	4273432.29	UCART1	8.60
2,644	636126.16	4273432.29	UCART1	8.53
2,645	636166.16	4273432.29	UCART1	8.53
2,646	636206.16	4273432.29	UCART1	8.86
2,647	636246.16	4273432.29	UCART1	9.14
2,648	636286.16	4273432.29	UCART1	9.14
2,649	636326.16	4273432.29	UCART1	9.21
2,650	636366.16	4273432.29	UCART1	9.14
2,651	636406.16	4273432.29	UCART1	9.14
2,652	636446.16	4273432.29	UCART1	9.14

2,653	636486.16	4273432.29	UCART1	9.14
2,654	636526.16	4273432.29	UCART1	9.20
2,655	636566.16	4273432.29	UCART1	9.24
2,656	636606.16	4273432.29	UCART1	9.48
2,657	636646.16	4273432.29	UCART1	9.92
2,658	636686.16	4273432.29	UCART1	10.16
2,659	638006.16	4273432.29	UCART1	12.59
2,660	638046.16	4273432.29	UCART1	12.88
2,661	638086.16	4273432.29	UCART1	12.88
2,662	638126.16	4273432.29	UCART1	12.76
2,663	638166.16	4273432.29	UCART1	10.54
2,664	638206.16	4273432.29	UCART1	10.42
2,665	638246.16	4273432.29	UCART1	11.70
2,666	638286.16	4273432.29	UCART1	12.64
2,667	638326.16	4273432.29	UCART1	13.63
2,668	638366.16	4273432.29	UCART1	13.44
2,669	635846.16	4273472.29	UCART1	8.53
2,670	635886.16	4273472.29	UCART1	9.34
2,671	635926.16	4273472.29	UCART1	9.98
2,672	635966.16	4273472.29	UCART1	10.07
2,673	636006.16	4273472.29	UCART1	10.18
2,674	636046.16	4273472.29	UCART1	10.01
2,675	636086.16	4273472.29	UCART1	9.33
2,676	636126.16	4273472.29	UCART1	8.82
2,677	636166.16	4273472.29	UCART1	8.71
2,678	636206.16	4273472.29	UCART1	8.86
2,679	636246.16	4273472.29	UCART1	9.14
2,680	636286.16	4273472.29	UCART1	9.14
2,681	636326.16	4273472.29	UCART1	9.26
2,682	636366.16	4273472.29	UCART1	9.14
2,683	636406.16	4273472.29	UCART1	9.14
2,684	636446.16	4273472.29	UCART1	9.14
2,685	636606.16	4273472.29	UCART1	9.75
2,686	636646.16	4273472.29	UCART1	10.16
2,687	636686.16	4273472.29	UCART1	10.55
2,688	636726.16	4273472.29	UCART1	10.62
2,689	637606.16	4273472.29	UCART1	13.28
2,690	637646.16	4273472.29	UCART1	13.16

2,691	637686.16	4273472.29	UCART1	13.28
2,692	637726.16	4273472.29	UCART1	13.38
2,693	637766.16	4273472.29	UCART1	13.41
2,694	638006.16	4273472.29	UCART1	13.16
2,695	638046.16	4273472.29	UCART1	13.28
2,696	638086.16	4273472.29	UCART1	13.28
2,697	638126.16	4273472.29	UCART1	12.94
2,698	638166.16	4273472.29	UCART1	10.10
2,699	638206.16	4273472.29	UCART1	10.31
2,700	638246.16	4273472.29	UCART1	11.93
2,701	638286.16	4273472.29	UCART1	12.94
2,702	638326.16	4273472.29	UCART1	13.91
2,703	638366.16	4273472.29	UCART1	13.66
2,704	635926.16	4273512.29	UCART1	10.63
2,705	635966.16	4273512.29	UCART1	10.36
2,706	636006.16	4273512.29	UCART1	10.64
2,707	636046.16	4273512.29	UCART1	10.64
2,708	636086.16	4273512.29	UCART1	10.58
2,709	636126.16	4273512.29	UCART1	9.96
2,710	636166.16	4273512.29	UCART1	8.71
2,711	636206.16	4273512.29	UCART1	8.84
2,712	636246.16	4273512.29	UCART1	8.98
2,713	636286.16	4273512.29	UCART1	9.14
2,714	636326.16	4273512.29	UCART1	9.14
2,715	636366.16	4273512.29	UCART1	9.14
2,716	636646.16	4273512.29	UCART1	10.28
2,717	636686.16	4273512.29	UCART1	10.39
2,718	636726.16	4273512.29	UCART1	10.50
2,719	637606.16	4273512.29	UCART1	13.69
2,720	637646.16	4273512.29	UCART1	13.69
2,721	637686.16	4273512.29	UCART1	13.58
2,722	637726.16	4273512.29	UCART1	13.41
2,723	637766.16	4273512.29	UCART1	13.41
2,724	638006.16	4273512.29	UCART1	13.73
2,725	638046.16	4273512.29	UCART1	14.25
2,726	638086.16	4273512.29	UCART1	13.83
2,727	638126.16	4273512.29	UCART1	13.06
2,728	638166.16	4273512.29	UCART1	10.26

2,729	638206.16	4273512.29	UCART1	10.81
2,730	638246.16	4273512.29	UCART1	12.21
2,731	638286.16	4273512.29	UCART1	13.16
2,732	638326.16	4273512.29	UCART1	13.94
2,733	638366.16	4273512.29	UCART1	13.41
2,734	636006.16	4273552.29	UCART1	10.62
2,735	636046.16	4273552.29	UCART1	10.67
2,736	636086.16	4273552.29	UCART1	10.67
2,737	636126.16	4273552.29	UCART1	10.67
2,738	636166.16	4273552.29	UCART1	9.48
2,739	636206.16	4273552.29	UCART1	8.77
2,740	636246.16	4273552.29	UCART1	8.93
2,741	636286.16	4273552.29	UCART1	9.12
2,742	636326.16	4273552.29	UCART1	9.14
2,743	636606.16	4273552.29	UCART1	10.39
2,744	636646.16	4273552.29	UCART1	10.61
2,745	636686.16	4273552.29	UCART1	10.67
2,746	637606.16	4273552.29	UCART1	14.02
2,747	637646.16	4273552.29	UCART1	14.00
2,748	637686.16	4273552.29	UCART1	13.79
2,749	637726.16	4273552.29	UCART1	13.79
2,750	637766.16	4273552.29	UCART1	13.79
2,751	637806.16	4273552.29	UCART1	13.79
2,752	637846.16	4273552.29	UCART1	13.74
2,753	637886.16	4273552.29	UCART1	13.48
2,754	638006.16	4273552.29	UCART1	14.66
2,755	638046.16	4273552.29	UCART1	14.97
2,756	638086.16	4273552.29	UCART1	14.39
2,757	638126.16	4273552.29	UCART1	13.70
2,758	638166.16	4273552.29	UCART1	11.10
2,759	638206.16	4273552.29	UCART1	11.22
2,760	638246.16	4273552.29	UCART1	12.61
2,761	638286.16	4273552.29	UCART1	13.32
2,762	638326.16	4273552.29	UCART1	13.70
2,763	638366.16	4273552.29	UCART1	13.48
2,764	636086.16	4273592.29	UCART1	10.67
2,765	636126.16	4273592.29	UCART1	10.74
2,766	636166.16	4273592.29	UCART1	10.30

2,767	636206.16	4273592.29	UCART1	8.72	
2,768	636246.16	4273592.29	UCART1	8.84	
2,769	636286.16	4273592.29	UCART1	8.93	
2,770	636606.16	4273592.29	UCART1	10.59	
2,771	636646.16	4273592.29	UCART1	10.67	
2,772	636126.16	4273632.29	UCART1	10.68	
2,773	636166.16	4273632.29	UCART1	10.04	
2,774	636206.16	4273632.29	UCART1	8.84	
2,775	636246.16	4273632.29	UCART1	8.84	
2,776	636286.16	4273632.29	UCART1	8.84	

Plant Boundary Receptors

Receptor Pathway

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	637060.45	4271428.10	FENCEPRI	10.38	
2	637144.17	4271358.02	FENCEPRI	9.75	
3	637162.34	4271343.09	FENCEPRI	9.87	
4	637135.08	4271306.75	FENCEPRI	9.76	
5	637139.62	4271298.32	FENCEPRI	9.81	
6	637089.66	4271236.67	FENCEPRI	9.46	
7	637081.22	4271243.81	FENCEPRI	9.47	
8	637067.59	4271229.53	FENCEPRI	9.45	
9	637059.81	4271238.62	FENCEPRI	9.45	
10	637073.43	4271249.65	FENCEPRI	9.45	
11	637066.29	4271258.73	FENCEPRI	9.45	
12	637118.86	4271320.38	FENCEPRI	9.75	
13	637127.94	4271313.89	FENCEPRI	9.75	
14	637148.71	4271343.74	FENCEPRI	9.81	
15	637056.56	4271416.42	FENCEPRI	10.36	
16	637022.17	4271432.00	FENCEPRI	9.97	
17	636978.69	4271445.62	FENCEPRI	9.69	
18	636955.98	4271450.17	FENCEPRI	9.42	
19	636917.69	4271450.17	FENCEPRI	9.14	
20	636833.33	4271442.38	FENCEPRI	9.14	
21	636745.08	4271433.94	FENCEPRI	9.14	
22	636680.83	4271428.10	FENCEPRI	9.14	
23	636581.44	4271417.55	FENCEPRI	9.14	
24	636489.30	4271410.24	FENCEPRI	7.97	
25	636414.70	4271411.70	FENCEPRI	7.96	
26	636354.74	4271414.63	FENCEPRI	7.93	
27	636300.62	4271426.33	FENCEPRI	7.92	
28	636223.10	4271438.03	FENCEPRI	7.99	
29	636094.39	4271457.04	FENCEPRI	7.80	
30	636012.48	4271474.59	FENCEPRI	7.93	
31	635929.33	4271498.57	FENCEPRI	7.93	
32	635832.80	4271536.60	FENCEPRI	7.91	
33	635781.60	4271558.54	FENCEPRI	8.01	
34	635723.10	4271595.11	FENCEPRI	7.93	
35	635651.43	4271653.62	FENCEPRI	7.93	
36	635569.52	4271716.51	FENCEPRI	8.24	
37	635497.85	4271763.32	FENCEPRI	8.03	
38	635436.41	4271813.05	FENCEPRI	7.89	
39	635348.66	4271899.34	FENCEPRI	8.45	

40	635268.21	4271978.33	FENCEPRI	8.45	
41	635193.61	4272048.53	FENCEPRI	8.10	
42	635154.12	4272082.18	FENCEPRI	8.15	
43	635102.93	4272026.59	FENCEPRI	9.54	
44	635079.53	4272063.16	FENCEPRI	9.86	
45	635082.45	4272093.88	FENCEPRI	9.30	
46	635098.54	4272123.13	FENCEPRI	8.42	
47	634974.21	4272202.11	FENCEPRI	10.14	
48	634974.21	4272285.48	FENCEPRI	7.92	
49	634930.33	4272330.83	FENCEPRI	7.76	
50	634921.56	4272320.59	FENCEPRI	7.87	
51	634928.87	4272304.50	FENCEPRI	8.08	
52	634934.72	4272289.87	FENCEPRI	8.26	
53	634931.80	4272284.02	FENCEPRI	8.37	
54	634917.17	4272305.96	FENCEPRI	8.10	
55	634904.01	4272329.36	FENCEPRI	7.88	
56	634871.47	4272348.56	FENCEPRI	7.89	
57	634810.04	4272377.81	FENCEPRI	7.85	
58	634769.08	4272389.52	FENCEPRI	7.78	
59	634694.49	4272382.20	FENCEPRI	7.85	
60	634631.59	4272373.43	FENCEPRI	7.94	
61	634552.61	4272366.11	FENCEPRI	8.01	
62	634441.44	4272325.16	FENCEPRI	7.97	
63	634296.63	4272265.19	FENCEPRI	7.97	
64	634129.89	4272187.66	FENCEPRI	8.23	
65	634042.07	4272147.14	FENCEPRI	8.46	
66	633982.39	4272112.33	FENCEPRI	9.88	
67	633962.49	4272091.19	FENCEPRI	10.09	
68	633951.30	4272065.08	FENCEPRI	10.15	
69	633941.36	4272027.78	FENCEPRI	9.51	
70	633933.90	4272001.67	FENCEPRI	8.68	
71	633921.46	4271975.56	FENCEPRI	7.34	
72	633901.57	4271955.67	FENCEPRI	6.14	
73	633868.00	4271940.75	FENCEPRI	6.90	
74	633826.97	4271932.05	FENCEPRI	7.48	
75	633808.32	4271923.34	FENCEPRI	7.32	
76	633788.43	4271908.42	FENCEPRI	7.32	
77	633774.75	4271891.02	FENCEPRI	7.28	
78	633753.62	4271827.61	FENCEPRI	6.91	
79	633710.10	4271690.84	FENCEPRI	10.38	
80	633693.34	4271700.25	FENCEPRI	10.00	
81	633765.12	4271898.78	FENCEPRI	7.23	
82	633786.50	4271928.55	FENCEPRI	7.40	

83	633803.29	4271938.48	FENCEPRI	7.72	
84	633831.55	4271943.06	FENCEPRI	7.70	
85	633860.56	4271946.88	FENCEPRI	7.22	
86	633881.94	4271952.99	FENCEPRI	6.57	
87	633908.67	4271972.84	FENCEPRI	7.09	
88	633921.65	4271994.22	FENCEPRI	8.47	
89	633931.57	4272030.87	FENCEPRI	9.97	
90	633937.68	4272053.01	FENCEPRI	10.19	
91	633918.59	4272053.01	FENCEPRI	10.37	
92	633911.72	4272097.30	FENCEPRI	8.95	
93	633956.01	4272101.12	FENCEPRI	9.86	
94	634007.93	4272137.00	FENCEPRI	8.70	
95	634056.79	4272161.44	FENCEPRI	8.15	
96	634114.06	4272189.69	FENCEPRI	8.23	
97	634214.87	4272236.41	FENCEPRI	7.75	
98	634313.68	4272280.42	FENCEPRI	8.18	
99	634496.05	4272358.58	FENCEPRI	8.09	
100	634555.34	4272374.75	FENCEPRI	7.93	
101	634637.98	4272384.63	FENCEPRI	7.77	
102	634746.68	4272396.31	FENCEPRI	7.71	
103	634773.23	4272395.49	FENCEPRI	7.72	
104	634790.10	4272394.19	FENCEPRI	7.73	
105	634810.87	4272389.00	FENCEPRI	7.54	
106	634828.40	4272381.21	FENCEPRI	7.57	
107	634845.92	4272371.47	FENCEPRI	7.74	
108	634857.61	4272363.03	FENCEPRI	7.74	
109	634873.18	4272355.89	FENCEPRI	7.81	
110	634888.11	4272350.05	FENCEPRI	7.78	
111	634923.16	4272339.02	FENCEPRI	7.68	
112	634929.00	4272338.37	FENCEPRI	7.69	
113	634948.48	4272324.09	FENCEPRI	7.83	
114	634975.09	4272301.37	FENCEPRI	7.91	
115	634991.31	4272270.22	FENCEPRI	7.90	
116	635047.80	4272253.61	FENCEPRI	3.16	
117	635110.71	4272224.35	FENCEPRI	3.05	
118	635172.16	4272170.22	FENCEPRI	3.05	
119	635251.15	4272095.61	FENCEPRI	3.05	
120	635343.32	4272006.37	FENCEPRI	3.05	
121	635421.88	4271924.43	FENCEPRI	3.05	
122	635515.51	4271824.95	FENCEPRI	4.46	
123	635571.11	4271789.83	FENCEPRI	5.40	
124	635606.22	4271772.28	FENCEPRI	3.42	
125	635606.22	4271732.78	FENCEPRI	7.53	

126	635629.63	4271716.68	FENCEPRI	7.43	
127	635620.85	4271693.28	FENCEPRI	7.88	
128	635689.39	4271635.05	FENCEPRI	7.84	
129	635729.62	4271600.14	FENCEPRI	7.87	
130	635767.57	4271575.74	FENCEPRI	7.98	
131	635798.41	4271560.83	FENCEPRI	7.82	
132	635851.61	4271538.13	FENCEPRI	7.81	
133	635882.74	4271523.78	FENCEPRI	7.73	
134	635911.76	4271512.32	FENCEPRI	7.83	
135	635954.53	4271498.57	FENCEPRI	7.76	
136	636030.91	4271477.95	FENCEPRI	7.89	
137	636077.50	4271468.02	FENCEPRI	7.74	
138	636174.50	4271455.80	FENCEPRI	6.19	
139	636228.73	4271448.17	FENCEPRI	7.89	
140	636300.52	4271434.42	FENCEPRI	7.92	
141	636374.61	4271422.20	FENCEPRI	7.87	
142	636470.85	4271418.38	FENCEPRI	7.89	
143	636535.00	4271419.91	FENCEPRI	9.10	
144	636617.49	4271428.31	FENCEPRI	9.14	
145	636772.15	4271443.25	FENCEPRI	9.14	
146	636825.01	4271448.54	FENCEPRI	9.14	
147	636866.24	4271451.71	FENCEPRI	9.14	
148	636909.58	4271457.00	FENCEPRI	9.14	
149	636940.24	4271459.11	FENCEPRI	9.23	
150	636961.38	4271458.05	FENCEPRI	9.39	
151	637012.13	4271446.42	FENCEPRI	9.75	

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	UCART2	Receptors generated from Uniform Cartesian Grid
3	UCART1	Receptors generated from Uniform Cartesian Grid

Receptor Pathway

Terrain Elevations and Flagpole Heights for Network Grids

Receptor Pathway

Multi-Tier Grid (Risk)

Fenceline Grid

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\..\59 SMUD\AERMOD\MET\14-18.SFC

Format Type: Default AERMET format

Profile Met Data

Filename: ..\..\59 SMUD\AERMOD\MET\14-18.PFL

Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 835.15 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2014			SACRAMENTO/EXECUTIVE ARPT
Upper Air		2014			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2015 Start Hour: 1 End Date: 12/25/2018 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
1	■	☐	☐	☐	☐	☐	☐	☐	☐	☐		No

Contour Plot Files (PLOTFILE)

Path for PLOTFILES: SCENARIO1N.AD

Averaging Period	Source Group ID	High Value	File Name
1	SLINE	1st	01H1G001.PLT
1	VOL	1st	01H1G002.PLT
Period	SLINE	N/A	PE00G001.PLT
Period	VOL	N/A	PE00G002.PLT

Results Summary

C:\Users\shaurya.johari\OneDrive - Ascent Environmental\Desktop\Proj

PM10 - Concentration - Source Group: SLINE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	245.50052	ug/m^3	633606.16	4271032.29	7.62	0.00	7.62	12/24/2017, 9
PERIOD		14.07928	ug/m^3	637148.71	4271343.74	9.81	0.00	9.81	

PM10 - Concentration - Source Group: VOL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	428.58690	ug/m^3	635606.22	4271732.78	7.53	0.00	7.53	3/6/2018, 8
PERIOD		29.31511	ug/m^3	635154.12	4272082.18	8.15	0.00	8.15	

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_R	EGG_RISK
1	ALL		636726.2	4269592	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		636766.2	4269592	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		637006.2	4269592	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		637046.2	4269592	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		637086.2	4269592	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		637126.2	4269592	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		637166.2	4269592	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		637206.2	4269592	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		637246.2	4269592	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		637286.2	4269592	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		637326.2	4269592	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		636766.2	4269632	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		637006.2	4269632	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		637046.2	4269632	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		637086.2	4269632	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		637126.2	4269632	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		637166.2	4269632	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		637206.2	4269632	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		637246.2	4269632	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		637286.2	4269632	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		637326.2	4269632	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		636686.2	4269672	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		637006.2	4269672	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		637046.2	4269672	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		637086.2	4269672	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		637126.2	4269672	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		637166.2	4269672	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		637206.2	4269672	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		637246.2	4269672	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		637286.2	4269672	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		637326.2	4269672	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		636686.2	4269712	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		636726.2	4269712	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		636766.2	4269712	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		637046.2	4269712	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		637246.2	4269712	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		637286.2	4269712	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		637326.2	4269712	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		636686.2	4269752	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		636726.2	4269752	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		636766.2	4269752	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		636806.2	4269752	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		637006.2	4269752	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		637086.2	4269752	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		637126.2	4269752	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		637166.2	4269752	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL		637286.2	4269752	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL		637326.2	4269752	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL		637646.2	4269752	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL		637686.2	4269752	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL		637726.2	4269752	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL		637766.2	4269752	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL		637806.2	4269752	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL		636686.2	4269792	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL		636726.2	4269792	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL		636766.2	4269792	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL		636806.2	4269792	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL		636846.2	4269792	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL		637046.2	4269792	3.28E-08	1YrCancerD	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL		637086.2	4269792	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL		637126.2	4269792	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL		637166.2	4269792	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL		637286.2	4269792	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL		637326.2	4269792	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL		637646.2	4269792	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL		637686.2	4269792	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL		637726.2	4269792	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL		637766.2	4269792	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL		637806.2	4269792	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL		636526.2	4269832	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL		636566.2	4269832	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL		636686.2	4269832	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL		636726.2	4269832	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL		636766.2	4269832	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL		636806.2	4269832	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL		636846.2	4269832	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL		636966.2	4269832	8.05E-08	1YrCancerD	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL		637006.2	4269832	5.08E-08	1YrCancerD	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL		637046.2	4269832	3.87E-08	1YrCancerD	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL		637086.2	4269832	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL		637126.2	4269832	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL		637166.2	4269832	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL		637206.2	4269832	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL		637246.2	4269832	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL		637286.2	4269832	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL		637326.2	4269832	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL		637646.2	4269832	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL		637686.2	4269832	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL		637726.2	4269832	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL		637766.2	4269832	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL		637806.2	4269832	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL		636566.2	4269872	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL		636686.2	4269872	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL		636726.2	4269872	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL		636766.2	4269872	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL		636806.2	4269872	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL		636846.2	4269872	4.98E-08	1YrCancerD	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL		637006.2	4269872	6.83E-08	1YrCancerD	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL		637046.2	4269872	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL		637086.2	4269872	3.79E-08	1YrCancerD	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL		637126.2	4269872	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL		637166.2	4269872	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL		637206.2	4269872	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL		637246.2	4269872	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL		637286.2	4269872	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL		637646.2	4269872	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

107	ALL	637686.2	4269872	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	637726.2	4269872	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	637766.2	4269872	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	637806.2	4269872	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	636566.2	4269912	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	636646.2	4269912	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	636686.2	4269912	1.88E-08	1YrCancerD	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	636726.2	4269912	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	636766.2	4269912	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	636806.2	4269912	3.75E-08	1YrCancerD	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	637046.2	4269912	6.62E-08	1YrCancerD	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	637086.2	4269912	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	637126.2	4269912	3.83E-08	1YrCancerD	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	637166.2	4269912	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	637206.2	4269912	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	637246.2	4269912	2.73E-08	1YrCancerD	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	637286.2	4269912	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	637606.2	4269912	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	637646.2	4269912	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	637686.2	4269912	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	637726.2	4269912	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	637766.2	4269912	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	637806.2	4269912	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	637086.2	4269952	6.88E-08	1YrCancerD	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	637126.2	4269952	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	637166.2	4269952	4.06E-08	1YrCancerD	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	637206.2	4269952	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	637246.2	4269952	3.24E-08	1YrCancerD	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	637286.2	4269952	3.01E-08	1YrCancerD	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	637606.2	4269952	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	637646.2	4269952	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	637686.2	4269952	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	637726.2	4269952	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	637766.2	4269952	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	637806.2	4269952	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	637846.2	4269952	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	636766.2	4269992	3.58E-08	1YrCancerD	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	636806.2	4269992	6.12E-08	1YrCancerD	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	637086.2	4269992	1.46E-07	1YrCancerD	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	637126.2	4269992	7.60E-08	1YrCancerD	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	637166.2	4269992	5.74E-08	1YrCancerD	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	637206.2	4269992	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	637246.2	4269992	4.18E-08	1YrCancerD	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	637286.2	4269992	3.81E-08	1YrCancerD	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	637606.2	4269992	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	637646.2	4269992	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	637686.2	4269992	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	637766.2	4269992	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	637806.2	4269992	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	637846.2	4269992	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	633686.2	4270032	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	633726.2	4270032	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	633766.2	4270032	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	633806.2	4270032	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	633846.2	4270032	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	636246.2	4270032	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	636286.2	4270032	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	636326.2	4270032	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	636366.2	4270032	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	636406.2	4270032	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	636766.2	4270032	4.25E-08	1YrCancerD	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	636806.2	4270032	8.21E-08	1YrCancerD	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	636886.2	4270032	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	636926.2	4270032	6.47E-08	1YrCancerD	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	636966.2	4270032	5.85E-08	1YrCancerD	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	637166.2	4270032	1.22E-07	1YrCancerD	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	637206.2	4270032	8.19E-08	1YrCancerD	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	637246.2	4270032	6.54E-08	1YrCancerD	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	637566.2	4270032	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	637606.2	4270032	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	637646.2	4270032	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	637686.2	4270032	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	637766.2	4270032	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	637806.2	4270032	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	637846.2	4270032	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	633566.2	4270072	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	633606.2	4270072	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	633646.2	4270072	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	633686.2	4270072	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	633726.2	4270072	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	633766.2	4270072	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	633806.2	4270072	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	633846.2	4270072	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	636246.2	4270072	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	636286.2	4270072	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	636326.2	4270072	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	636366.2	4270072	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	636406.2	4270072	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	636606.2	4270072	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	636646.2	4270072	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	636686.2	4270072	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	636726.2	4270072	3.58E-08	1YrCancerD	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	636766.2	4270072	5.16E-08	1YrCancerD	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	636806.2	4270072	1.19E-07	1YrCancerD	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	636846.2	4270072	2.32E-07	1YrCancerD	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	636886.2	4270072	8.27E-08	1YrCancerD	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	636926.2	4270072	5.61E-08	1YrCancerD	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	636966.2	4270072	4.91E-08	1YrCancerD	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	637006.2	4270072	5.12E-08	1YrCancerD	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	637046.2	4270072	6.17E-08	1YrCancerD	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	637086.2	4270072	8.65E-08	1YrCancerD	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	637246.2	4270072	2.18E-07	1YrCancerD	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	637566.2	4270072	3.97E-08	1YrCancerD	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	637606.2	4270072	3.50E-08	1YrCancerD	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	637646.2	4270072	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	637686.2	4270072	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	637726.2	4270072	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

214	ALL	637806.2	4270072	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	637846.2	4270072	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	637886.2	4270072	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	637926.2	4270072	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	637966.2	4270072	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	633606.2	4270112	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	633646.2	4270112	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	633686.2	4270112	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	633726.2	4270112	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	633766.2	4270112	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	633806.2	4270112	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	633846.2	4270112	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	636246.2	4270112	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	636286.2	4270112	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	636326.2	4270112	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	636406.2	4270112	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	636446.2	4270112	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	636606.2	4270112	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	636646.2	4270112	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	636686.2	4270112	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	636726.2	4270112	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	636766.2	4270112	6.58E-08	1YrCancerD	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	636806.2	4270112	2.09E-07	1YrCancerD	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	636846.2	4270112	1.48E-07	1YrCancerD	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	636886.2	4270112	6.89E-08	1YrCancerD	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	636926.2	4270112	4.96E-08	1YrCancerD	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	636966.2	4270112	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	637006.2	4270112	4.25E-08	1YrCancerD	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	637046.2	4270112	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	637086.2	4270112	5.42E-08	1YrCancerD	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	637126.2	4270112	6.56E-08	1YrCancerD	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	637166.2	4270112	7.93E-08	1YrCancerD	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	637206.2	4270112	1.00E-07	1YrCancerD	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	637246.2	4270112	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	637566.2	4270112	6.58E-08	1YrCancerD	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	637606.2	4270112	5.13E-08	1YrCancerD	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	637646.2	4270112	4.04E-08	1YrCancerD	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	637686.2	4270112	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	637726.2	4270112	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	637806.2	4270112	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	637846.2	4270112	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	637886.2	4270112	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	637926.2	4270112	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	637966.2	4270112	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	633606.2	4270152	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	633646.2	4270152	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	633686.2	4270152	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	633726.2	4270152	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	633766.2	4270152	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	633806.2	4270152	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	633846.2	4270152	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	633886.2	4270152	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	636246.2	4270152	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	636286.2	4270152	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	636326.2	4270152	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	636406.2	4270152	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	636446.2	4270152	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	636606.2	4270152	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	636646.2	4270152	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	636686.2	4270152	4.15E-08	1YrCancerD	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	636726.2	4270152	5.71E-08	1YrCancerD	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	636766.2	4270152	9.68E-08	1YrCancerD	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	636846.2	4270152	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	636886.2	4270152	5.82E-08	1YrCancerD	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	636926.2	4270152	4.43E-08	1YrCancerD	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	636966.2	4270152	3.87E-08	1YrCancerD	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	637006.2	4270152	3.72E-08	1YrCancerD	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	637046.2	4270152	3.83E-08	1YrCancerD	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	637086.2	4270152	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	637126.2	4270152	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	637166.2	4270152	5.13E-08	1YrCancerD	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	637206.2	4270152	5.69E-08	1YrCancerD	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	637246.2	4270152	6.25E-08	1YrCancerD	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	637606.2	4270152	1.06E-07	1YrCancerD	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	637646.2	4270152	6.25E-08	1YrCancerD	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	637686.2	4270152	4.27E-08	1YrCancerD	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	637726.2	4270152	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	637766.2	4270152	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	637846.2	4270152	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	637886.2	4270152	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	637926.2	4270152	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	637966.2	4270152	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	638006.2	4270152	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	633246.2	4270192	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	633286.2	4270192	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	633326.2	4270192	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	633486.2	4270192	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	633526.2	4270192	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	633566.2	4270192	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	633606.2	4270192	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	633646.2	4270192	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	633686.2	4270192	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	633726.2	4270192	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	633766.2	4270192	2.60E-08	1YrCancerD	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	633806.2	4270192	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	633846.2	4270192	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	633886.2	4270192	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	636246.2	4270192	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	636286.2	4270192	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	636326.2	4270192	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	636366.2	4270192	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	636406.2	4270192	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	636446.2	4270192	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	636566.2	4270192	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	636606.2	4270192	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	636646.2	4270192	4.10E-08	1YrCancerD	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	636686.2	4270192	5.93E-08	1YrCancerD	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

321	ALL	636726.2	4270192	9.24E-08	1YrCancerD	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	636806.2	4270192	1.60E-07	1YrCancerD	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	636846.2	4270192	7.42E-08	1YrCancerD	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	637006.2	4270192	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	637046.2	4270192	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	637086.2	4270192	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	637126.2	4270192	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	637166.2	4270192	3.94E-08	1YrCancerD	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	637206.2	4270192	4.19E-08	1YrCancerD	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	637246.2	4270192	4.42E-08	1YrCancerD	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	637566.2	4270192	1.22E-07	1YrCancerD	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	637646.2	4270192	1.38E-07	1YrCancerD	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	637686.2	4270192	6.29E-08	1YrCancerD	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	637726.2	4270192	4.20E-08	1YrCancerD	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	637766.2	4270192	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	637806.2	4270192	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	637886.2	4270192	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	637926.2	4270192	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	637966.2	4270192	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	638006.2	4270192	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	633126.2	4270232	9.23E-09	1YrCancerD	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	633166.2	4270232	9.85E-09	1YrCancerD	9.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	633206.2	4270232	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	633486.2	4270232	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	633526.2	4270232	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	633566.2	4270232	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	633606.2	4270232	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	633766.2	4270232	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	633806.2	4270232	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	636246.2	4270232	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	636286.2	4270232	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	636326.2	4270232	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	636366.2	4270232	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	636406.2	4270232	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	636446.2	4270232	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	636566.2	4270232	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	636606.2	4270232	3.93E-08	1YrCancerD	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	636646.2	4270232	6.42E-08	1YrCancerD	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	636686.2	4270232	1.25E-07	1YrCancerD	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	636766.2	4270232	1.85E-07	1YrCancerD	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	636806.2	4270232	8.55E-08	1YrCancerD	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	636846.2	4270232	5.68E-08	1YrCancerD	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	636886.2	4270232	4.36E-08	1YrCancerD	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	636926.2	4270232	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	636966.2	4270232	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	637046.2	4270232	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	637086.2	4270232	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	637126.2	4270232	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	637166.2	4270232	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	637206.2	4270232	3.43E-08	1YrCancerD	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	637246.2	4270232	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	637566.2	4270232	6.37E-08	1YrCancerD	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	637606.2	4270232	9.38E-08	1YrCancerD	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	637686.2	4270232	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	637726.2	4270232	5.94E-08	1YrCancerD	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	637766.2	4270232	3.97E-08	1YrCancerD	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	637806.2	4270232	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	637886.2	4270232	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	637926.2	4270232	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	637966.2	4270232	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	638006.2	4270232	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	638046.2	4270232	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	633086.2	4270272	9.01E-09	1YrCancerD	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	633126.2	4270272	9.63E-09	1YrCancerD	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	633166.2	4270272	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	633206.2	4270272	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	633486.2	4270272	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	636286.2	4270272	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	636326.2	4270272	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	636366.2	4270272	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	636406.2	4270272	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	636446.2	4270272	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	636566.2	4270272	3.61E-08	1YrCancerD	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	636606.2	4270272	6.23E-08	1YrCancerD	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	636646.2	4270272	1.68E-07	1YrCancerD	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	636686.2	4270272	2.99E-07	1YrCancerD	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	636766.2	4270272	8.50E-08	1YrCancerD	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	636806.2	4270272	5.97E-08	1YrCancerD	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	636846.2	4270272	4.65E-08	1YrCancerD	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	636886.2	4270272	3.88E-08	1YrCancerD	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	636926.2	4270272	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	636966.2	4270272	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	637046.2	4270272	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	637166.2	4270272	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	637206.2	4270272	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	637246.2	4270272	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	637566.2	4270272	4.56E-08	1YrCancerD	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	637606.2	4270272	5.83E-08	1YrCancerD	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	637646.2	4270272	9.91E-08	1YrCancerD	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	637726.2	4270272	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	637766.2	4270272	5.25E-08	1YrCancerD	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	637806.2	4270272	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	637846.2	4270272	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	637926.2	4270272	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	637966.2	4270272	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	638006.2	4270272	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	638046.2	4270272	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	638086.2	4270272	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	638126.2	4270272	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	633086.2	4270312	9.33E-09	1YrCancerD	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	633126.2	4270312	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	633166.2	4270312	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	633206.2	4270312	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	633246.2	4270312	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	636286.2	4270312	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	636366.2	4270312	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	636446.2	4270312	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

428	ALL	636566.2	4270312	5.03E-08	1YrCancerD	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	636606.2	4270312	1.76E-07	1YrCancerD	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	636646.2	4270312	2.31E-07	1YrCancerD	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	636686.2	4270312	1.09E-07	1YrCancerD	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	636766.2	4270312	5.85E-08	1YrCancerD	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	636806.2	4270312	4.74E-08	1YrCancerD	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	636846.2	4270312	4.02E-08	1YrCancerD	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	636886.2	4270312	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	636926.2	4270312	3.18E-08	1YrCancerD	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	637006.2	4270312	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	637046.2	4270312	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	637086.2	4270312	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	637126.2	4270312	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	637166.2	4270312	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	637566.2	4270312	3.68E-08	1YrCancerD	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	637606.2	4270312	4.39E-08	1YrCancerD	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	637646.2	4270312	6.06E-08	1YrCancerD	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	637686.2	4270312	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	637766.2	4270312	7.95E-08	1YrCancerD	7.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	637806.2	4270312	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	637846.2	4270312	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	637886.2	4270312	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	637966.2	4270312	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	638006.2	4270312	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	638046.2	4270312	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	638086.2	4270312	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	638126.2	4270312	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	638166.2	4270312	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	638206.2	4270312	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	638246.2	4270312	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	633086.2	4270352	9.65E-09	1YrCancerD	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	633126.2	4270352	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	633166.2	4270352	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	633206.2	4270352	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	633246.2	4270352	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	636286.2	4270352	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	636366.2	4270352	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	636446.2	4270352	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	636566.2	4270352	8.20E-08	1YrCancerD	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	636606.2	4270352	3.35E-07	1YrCancerD	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	636646.2	4270352	1.09E-07	1YrCancerD	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	636686.2	4270352	7.37E-08	1YrCancerD	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	636726.2	4270352	5.74E-08	1YrCancerD	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	636766.2	4270352	4.72E-08	1YrCancerD	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	636846.2	4270352	3.61E-08	1YrCancerD	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	636886.2	4270352	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	636926.2	4270352	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	637006.2	4270352	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	637046.2	4270352	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	637086.2	4270352	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	637126.2	4270352	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	637166.2	4270352	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	637606.2	4270352	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	637646.2	4270352	4.54E-08	1YrCancerD	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	637686.2	4270352	6.96E-08	1YrCancerD	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	637886.2	4270352	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	637926.2	4270352	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	638046.2	4270352	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	638086.2	4270352	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	638126.2	4270352	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	638166.2	4270352	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	638206.2	4270352	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	638246.2	4270352	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	633086.2	4270392	9.96E-09	1YrCancerD	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	636286.2	4270392	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	636366.2	4270392	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	636406.2	4270392	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	636446.2	4270392	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	636526.2	4270392	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	636646.2	4270392	8.17E-08	1YrCancerD	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	636686.2	4270392	5.95E-08	1YrCancerD	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	636726.2	4270392	4.83E-08	1YrCancerD	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	636766.2	4270392	4.13E-08	1YrCancerD	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	636846.2	4270392	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	636886.2	4270392	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	636966.2	4270392	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	637006.2	4270392	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	637046.2	4270392	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	637086.2	4270392	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	637166.2	4270392	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	637206.2	4270392	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	637606.2	4270392	3.14E-08	1YrCancerD	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	637646.2	4270392	3.73E-08	1YrCancerD	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	637686.2	4270392	5.00E-08	1YrCancerD	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	637726.2	4270392	8.76E-08	1YrCancerD	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	637926.2	4270392	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	637966.2	4270392	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	638006.2	4270392	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	638086.2	4270392	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	638126.2	4270392	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	638166.2	4270392	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	638206.2	4270392	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	638246.2	4270392	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	633886.2	4270432	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	633926.2	4270432	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	636286.2	4270432	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	636326.2	4270432	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	636366.2	4270432	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	636406.2	4270432	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	636446.2	4270432	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	636526.2	4270432	5.57E-08	1YrCancerD	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	636606.2	4270432	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	636646.2	4270432	7.01E-08	1YrCancerD	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	636766.2	4270432	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	636846.2	4270432	3.16E-08	1YrCancerD	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	636886.2	4270432	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	636926.2	4270432	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

535	ALL	636966.2	4270432	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	637006.2	4270432	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	637046.2	4270432	2.41E-08	1YrCancerD	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	637126.2	4270432	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	637166.2	4270432	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	637206.2	4270432	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	637606.2	4270432	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	637646.2	4270432	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	637686.2	4270432	4.00E-08	1YrCancerD	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	637726.2	4270432	5.82E-08	1YrCancerD	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	637766.2	4270432	1.28E-07	1YrCancerD	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	637966.2	4270432	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	638006.2	4270432	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	638046.2	4270432	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	638086.2	4270432	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	638166.2	4270432	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	638206.2	4270432	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	638246.2	4270432	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	638286.2	4270432	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	633766.2	4270472	5.64E-08	1YrCancerD	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	633806.2	4270472	4.95E-08	1YrCancerD	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	633846.2	4270472	4.39E-08	1YrCancerD	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	633886.2	4270472	3.93E-08	1YrCancerD	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	633926.2	4270472	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	636206.2	4270472	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	636526.2	4270472	6.55E-08	1YrCancerD	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	636606.2	4270472	1.10E-07	1YrCancerD	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	636646.2	4270472	6.45E-08	1YrCancerD	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	636686.2	4270472	4.90E-08	1YrCancerD	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	636726.2	4270472	4.10E-08	1YrCancerD	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	636766.2	4270472	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	636926.2	4270472	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	636966.2	4270472	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	637006.2	4270472	2.46E-08	1YrCancerD	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	637046.2	4270472	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	637126.2	4270472	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	637166.2	4270472	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	637206.2	4270472	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	637606.2	4270472	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	637646.2	4270472	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	637686.2	4270472	3.40E-08	1YrCancerD	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	637726.2	4270472	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	637766.2	4270472	7.32E-08	1YrCancerD	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	637886.2	4270472	5.95E-08	1YrCancerD	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	637926.2	4270472	3.93E-08	1YrCancerD	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	637966.2	4270472	3.01E-08	1YrCancerD	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	638046.2	4270472	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	638086.2	4270472	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	638126.2	4270472	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	638166.2	4270472	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	633686.2	4270512	9.00E-08	1YrCancerD	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	633726.2	4270512	7.38E-08	1YrCancerD	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	633766.2	4270512	6.24E-08	1YrCancerD	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	633806.2	4270512	5.39E-08	1YrCancerD	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	633846.2	4270512	4.72E-08	1YrCancerD	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	633886.2	4270512	4.17E-08	1YrCancerD	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	633926.2	4270512	3.71E-08	1YrCancerD	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	636206.2	4270512	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	636286.2	4270512	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	636326.2	4270512	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	636366.2	4270512	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	636406.2	4270512	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	636526.2	4270512	7.26E-08	1YrCancerD	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	636566.2	4270512	2.56E-07	1YrCancerD	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	636606.2	4270512	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	636646.2	4270512	6.26E-08	1YrCancerD	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	636686.2	4270512	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	636726.2	4270512	4.00E-08	1YrCancerD	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	636766.2	4270512	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	636806.2	4270512	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	636846.2	4270512	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	637006.2	4270512	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	637046.2	4270512	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	637086.2	4270512	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	637126.2	4270512	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	637166.2	4270512	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	637206.2	4270512	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	637646.2	4270512	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	637686.2	4270512	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	637726.2	4270512	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	637766.2	4270512	5.21E-08	1YrCancerD	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	637806.2	4270512	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	637966.2	4270512	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	638006.2	4270512	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	638046.2	4270512	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	638126.2	4270512	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	633646.2	4270552	1.41E-07	1YrCancerD	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	633686.2	4270552	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	633726.2	4270552	8.31E-08	1YrCancerD	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	633766.2	4270552	6.87E-08	1YrCancerD	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	633806.2	4270552	5.84E-08	1YrCancerD	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	633846.2	4270552	5.05E-08	1YrCancerD	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	633886.2	4270552	4.41E-08	1YrCancerD	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	633926.2	4270552	3.88E-08	1YrCancerD	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	636206.2	4270552	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	636286.2	4270552	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	636326.2	4270552	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	636366.2	4270552	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	636406.2	4270552	2.41E-08	1YrCancerD	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	636526.2	4270552	7.18E-08	1YrCancerD	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	636606.2	4270552	1.07E-07	1YrCancerD	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	636646.2	4270552	6.37E-08	1YrCancerD	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	636686.2	4270552	4.83E-08	1YrCancerD	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	636726.2	4270552	4.04E-08	1YrCancerD	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	636806.2	4270552	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	636846.2	4270552	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	636886.2	4270552	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

642	ALL	636926.2	4270552	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	637086.2	4270552	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	637126.2	4270552	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	637166.2	4270552	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	637206.2	4270552	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	637646.2	4270552	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	637686.2	4270552	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	637726.2	4270552	3.18E-08	1YrCancerD	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	637766.2	4270552	4.11E-08	1YrCancerD	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	637806.2	4270552	6.38E-08	1YrCancerD	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	637846.2	4270552	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	638006.2	4270552	3.33E-08	1YrCancerD	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	638046.2	4270552	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	638086.2	4270552	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	633406.2	4270592	5.60E-08	1YrCancerD	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	633446.2	4270592	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	633646.2	4270592	1.73E-07	1YrCancerD	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	633686.2	4270592	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	633726.2	4270592	9.34E-08	1YrCancerD	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	633766.2	4270592	7.56E-08	1YrCancerD	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	633806.2	4270592	6.33E-08	1YrCancerD	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	633846.2	4270592	5.40E-08	1YrCancerD	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	633886.2	4270592	4.66E-08	1YrCancerD	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	633926.2	4270592	4.05E-08	1YrCancerD	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	636206.2	4270592	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	636286.2	4270592	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	636326.2	4270592	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	636366.2	4270592	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	636406.2	4270592	2.46E-08	1YrCancerD	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	636486.2	4270592	3.86E-08	1YrCancerD	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	636526.2	4270592	6.42E-08	1YrCancerD	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	636606.2	4270592	1.30E-07	1YrCancerD	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	636646.2	4270592	6.94E-08	1YrCancerD	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	636686.2	4270592	5.11E-08	1YrCancerD	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	636766.2	4270592	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	636806.2	4270592	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	636886.2	4270592	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	636966.2	4270592	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	637006.2	4270592	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	637086.2	4270592	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	637166.2	4270592	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	637206.2	4270592	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	637646.2	4270592	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	637686.2	4270592	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	637726.2	4270592	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	637766.2	4270592	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	637806.2	4270592	4.70E-08	1YrCancerD	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	637846.2	4270592	8.26E-08	1YrCancerD	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	633366.2	4270632	4.11E-08	1YrCancerD	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	633406.2	4270632	6.14E-08	1YrCancerD	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	633446.2	4270632	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	633646.2	4270632	2.15E-07	1YrCancerD	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	633686.2	4270632	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	633726.2	4270632	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	633766.2	4270632	8.32E-08	1YrCancerD	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	633806.2	4270632	6.85E-08	1YrCancerD	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	633846.2	4270632	5.76E-08	1YrCancerD	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	633886.2	4270632	4.91E-08	1YrCancerD	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	633926.2	4270632	4.22E-08	1YrCancerD	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	636206.2	4270632	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	636486.2	4270632	3.73E-08	1YrCancerD	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	636526.2	4270632	5.48E-08	1YrCancerD	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	636566.2	4270632	1.33E-07	1YrCancerD	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	636606.2	4270632	2.05E-07	1YrCancerD	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	636646.2	4270632	8.41E-08	1YrCancerD	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	636726.2	4270632	4.55E-08	1YrCancerD	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	636766.2	4270632	3.87E-08	1YrCancerD	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	636846.2	4270632	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	636886.2	4270632	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	636966.2	4270632	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	637046.2	4270632	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	637086.2	4270632	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	637126.2	4270632	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	637166.2	4270632	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	637646.2	4270632	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	637686.2	4270632	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	637726.2	4270632	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	637766.2	4270632	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	637806.2	4270632	3.78E-08	1YrCancerD	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	637846.2	4270632	5.43E-08	1YrCancerD	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	637886.2	4270632	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	633406.2	4270672	6.48E-08	1YrCancerD	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	633446.2	4270672	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	633646.2	4270672	2.70E-07	1YrCancerD	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	633686.2	4270672	1.67E-07	1YrCancerD	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	633726.2	4270672	1.19E-07	1YrCancerD	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	633766.2	4270672	9.18E-08	1YrCancerD	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	633806.2	4270672	7.41E-08	1YrCancerD	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	633846.2	4270672	6.13E-08	1YrCancerD	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	633886.2	4270672	5.15E-08	1YrCancerD	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	633926.2	4270672	4.38E-08	1YrCancerD	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	636206.2	4270672	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	636486.2	4270672	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	636526.2	4270672	4.71E-08	1YrCancerD	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	636566.2	4270672	8.22E-08	1YrCancerD	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	636686.2	4270672	7.10E-08	1YrCancerD	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	636726.2	4270672	5.18E-08	1YrCancerD	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	636806.2	4270672	3.65E-08	1YrCancerD	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	636846.2	4270672	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	636926.2	4270672	2.78E-08	1YrCancerD	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	636966.2	4270672	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	637046.2	4270672	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	637086.2	4270672	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	637126.2	4270672	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	637166.2	4270672	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	637206.2	4270672	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	637246.2	4270672	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

749	ALL	637686.2	4270672	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	637726.2	4270672	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	637766.2	4270672	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	637806.2	4270672	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	637846.2	4270672	4.11E-08	1YrCancerD	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	637886.2	4270672	6.04E-08	1YrCancerD	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	637926.2	4270672	1.20E-07	1YrCancerD	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	633446.2	4270712	1.08E-07	1YrCancerD	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	633486.2	4270712	1.97E-07	1YrCancerD	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	633686.2	4270712	1.98E-07	1YrCancerD	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	633726.2	4270712	1.35E-07	1YrCancerD	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	633766.2	4270712	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	633806.2	4270712	8.03E-08	1YrCancerD	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	636206.2	4270712	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	636486.2	4270712	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	636526.2	4270712	4.11E-08	1YrCancerD	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	636566.2	4270712	5.82E-08	1YrCancerD	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	636606.2	4270712	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	636686.2	4270712	1.07E-07	1YrCancerD	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	636766.2	4270712	4.82E-08	1YrCancerD	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	636806.2	4270712	4.00E-08	1YrCancerD	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	636886.2	4270712	3.14E-08	1YrCancerD	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	636926.2	4270712	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	637006.2	4270712	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	637046.2	4270712	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	637086.2	4270712	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	637126.2	4270712	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	637206.2	4270712	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	637246.2	4270712	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	637686.2	4270712	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	637726.2	4270712	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	637766.2	4270712	2.46E-08	1YrCancerD	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	637806.2	4270712	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	637846.2	4270712	3.37E-08	1YrCancerD	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	633326.2	4270752	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	633366.2	4270752	4.67E-08	1YrCancerD	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	633406.2	4270752	6.70E-08	1YrCancerD	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	633446.2	4270752	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	633486.2	4270752	1.71E-07	1YrCancerD	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	633686.2	4270752	2.35E-07	1YrCancerD	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	633726.2	4270752	1.55E-07	1YrCancerD	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	633766.2	4270752	1.13E-07	1YrCancerD	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	636206.2	4270752	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	636486.2	4270752	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	636526.2	4270752	3.67E-08	1YrCancerD	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	636566.2	4270752	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	636606.2	4270752	6.86E-08	1YrCancerD	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	636646.2	4270752	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	636686.2	4270752	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	636726.2	4270752	9.31E-08	1YrCancerD	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	636766.2	4270752	5.91E-08	1YrCancerD	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	636846.2	4270752	3.82E-08	1YrCancerD	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	636886.2	4270752	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	636966.2	4270752	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	637006.2	4270752	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	637046.2	4270752	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	637086.2	4270752	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	637126.2	4270752	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	637166.2	4270752	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	637246.2	4270752	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	637686.2	4270752	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	637726.2	4270752	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	637766.2	4270752	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	633326.2	4270792	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	633366.2	4270792	4.74E-08	1YrCancerD	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	633406.2	4270792	6.61E-08	1YrCancerD	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	633446.2	4270792	9.63E-08	1YrCancerD	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	633486.2	4270792	1.50E-07	1YrCancerD	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	633526.2	4270792	2.79E-07	1YrCancerD	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	633686.2	4270792	2.83E-07	1YrCancerD	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	633726.2	4270792	1.78E-07	1YrCancerD	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	633766.2	4270792	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	636206.2	4270792	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	636446.2	4270792	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	636486.2	4270792	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	636526.2	4270792	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	636566.2	4270792	3.94E-08	1YrCancerD	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	636606.2	4270792	5.09E-08	1YrCancerD	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	636646.2	4270792	7.76E-08	1YrCancerD	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	636686.2	4270792	1.79E-07	1YrCancerD	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	636726.2	4270792	2.14E-07	1YrCancerD	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	636806.2	4270792	5.52E-08	1YrCancerD	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	636846.2	4270792	4.34E-08	1YrCancerD	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	636926.2	4270792	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	636966.2	4270792	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	637006.2	4270792	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	637046.2	4270792	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	637086.2	4270792	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	637166.2	4270792	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	637246.2	4270792	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	637286.2	4270792	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	637726.2	4270792	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	637766.2	4270792	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	638086.2	4270792	7.00E-08	1YrCancerD	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	638126.2	4270792	3.91E-08	1YrCancerD	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	638206.2	4270792	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	638246.2	4270792	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	638286.2	4270792	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	638326.2	4270792	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	638366.2	4270792	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	633326.2	4270832	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	633366.2	4270832	4.76E-08	1YrCancerD	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	633406.2	4270832	6.45E-08	1YrCancerD	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	633446.2	4270832	9.04E-08	1YrCancerD	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	633486.2	4270832	1.34E-07	1YrCancerD	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	633526.2	4270832	2.27E-07	1YrCancerD	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	633726.2	4270832	2.05E-07	1YrCancerD	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

856	ALL	633766.2	4270832	1.40E-07	1YrCancerD	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	636206.2	4270832	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	636446.2	4270832	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	636486.2	4270832	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	636526.2	4270832	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	636566.2	4270832	3.51E-08	1YrCancerD	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	636606.2	4270832	4.21E-08	1YrCancerD	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	636646.2	4270832	5.54E-08	1YrCancerD	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	636686.2	4270832	8.66E-08	1YrCancerD	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	636766.2	4270832	1.64E-07	1YrCancerD	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	636806.2	4270832	7.51E-08	1YrCancerD	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	636886.2	4270832	4.16E-08	1YrCancerD	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	636926.2	4270832	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	636966.2	4270832	3.18E-08	1YrCancerD	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	637006.2	4270832	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	637046.2	4270832	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	637086.2	4270832	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	637126.2	4270832	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	637166.2	4270832	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	637246.2	4270832	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	637286.2	4270832	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	637726.2	4270832	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	637766.2	4270832	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	637806.2	4270832	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	638086.2	4270832	7.93E-08	1YrCancerD	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	638126.2	4270832	4.27E-08	1YrCancerD	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	638206.2	4270832	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	638246.2	4270832	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	638286.2	4270832	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	638326.2	4270832	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	638366.2	4270832	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	633326.2	4270872	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	633366.2	4270872	4.72E-08	1YrCancerD	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	633406.2	4270872	6.24E-08	1YrCancerD	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	633446.2	4270872	8.48E-08	1YrCancerD	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	633486.2	4270872	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	633526.2	4270872	1.92E-07	1YrCancerD	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	633726.2	4270872	2.38E-07	1YrCancerD	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	633766.2	4270872	1.57E-07	1YrCancerD	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	633806.2	4270872	1.11E-07	1YrCancerD	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	636406.2	4270872	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	636446.2	4270872	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	636486.2	4270872	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	636526.2	4270872	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	636566.2	4270872	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	636606.2	4270872	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	636646.2	4270872	4.48E-08	1YrCancerD	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	636686.2	4270872	5.97E-08	1YrCancerD	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	636726.2	4270872	9.75E-08	1YrCancerD	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	636846.2	4270872	6.88E-08	1YrCancerD	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	636886.2	4270872	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	636926.2	4270872	4.01E-08	1YrCancerD	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	636966.2	4270872	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	637006.2	4270872	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	637046.2	4270872	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	637086.2	4270872	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	637126.2	4270872	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	637166.2	4270872	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	637246.2	4270872	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	637286.2	4270872	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	637726.2	4270872	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	637766.2	4270872	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	637806.2	4270872	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	637966.2	4270872	4.15E-08	1YrCancerD	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	638006.2	4270872	8.69E-08	1YrCancerD	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	638086.2	4270872	8.35E-08	1YrCancerD	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	638126.2	4270872	4.57E-08	1YrCancerD	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	638206.2	4270872	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	638246.2	4270872	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	638286.2	4270872	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	638326.2	4270872	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	638366.2	4270872	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	633366.2	4270912	4.65E-08	1YrCancerD	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	633406.2	4270912	6.01E-08	1YrCancerD	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	633446.2	4270912	7.96E-08	1YrCancerD	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	633486.2	4270912	1.10E-07	1YrCancerD	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	633526.2	4270912	1.65E-07	1YrCancerD	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	633566.2	4270912	2.98E-07	1YrCancerD	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	633726.2	4270912	2.79E-07	1YrCancerD	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	633766.2	4270912	1.75E-07	1YrCancerD	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	633806.2	4270912	1.20E-07	1YrCancerD	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	636206.2	4270912	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	636446.2	4270912	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	636486.2	4270912	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	636526.2	4270912	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	636566.2	4270912	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	636606.2	4270912	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	636646.2	4270912	3.88E-08	1YrCancerD	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	636686.2	4270912	4.74E-08	1YrCancerD	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	636726.2	4270912	6.43E-08	1YrCancerD	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	636766.2	4270912	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	636846.2	4270912	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	636886.2	4270912	6.37E-08	1YrCancerD	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	636926.2	4270912	4.72E-08	1YrCancerD	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	636966.2	4270912	3.88E-08	1YrCancerD	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	637006.2	4270912	3.38E-08	1YrCancerD	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	637046.2	4270912	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	637086.2	4270912	2.78E-08	1YrCancerD	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	637126.2	4270912	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	637206.2	4270912	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	637246.2	4270912	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	637286.2	4270912	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	637726.2	4270912	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	637766.2	4270912	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	637806.2	4270912	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	637846.2	4270912	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	637966.2	4270912	4.18E-08	1YrCancerD	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

963	ALL	638006.2	4270912	8.92E-08	1YrCancerD	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	638086.2	4270912	8.46E-08	1YrCancerD	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	638126.2	4270912	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	638206.2	4270912	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	638246.2	4270912	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	638286.2	4270912	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	638326.2	4270912	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	638366.2	4270912	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	633366.2	4270952	4.55E-08	1YrCancerD	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	633406.2	4270952	5.77E-08	1YrCancerD	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	633446.2	4270952	7.47E-08	1YrCancerD	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	633486.2	4270952	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	633526.2	4270952	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	633566.2	4270952	2.41E-07	1YrCancerD	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	633766.2	4270952	1.95E-07	1YrCancerD	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	633806.2	4270952	1.28E-07	1YrCancerD	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	636206.2	4270952	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	636406.2	4270952	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	636446.2	4270952	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	636486.2	4270952	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	636526.2	4270952	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	636566.2	4270952	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	636606.2	4270952	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	636646.2	4270952	3.50E-08	1YrCancerD	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	636686.2	4270952	4.06E-08	1YrCancerD	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	636726.2	4270952	5.01E-08	1YrCancerD	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	636766.2	4270952	6.97E-08	1YrCancerD	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	636806.2	4270952	1.32E-07	1YrCancerD	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	636886.2	4270952	9.75E-08	1YrCancerD	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	636926.2	4270952	5.96E-08	1YrCancerD	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	636966.2	4270952	4.53E-08	1YrCancerD	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	637006.2	4270952	3.77E-08	1YrCancerD	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	637046.2	4270952	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	637086.2	4270952	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	637126.2	4270952	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	637166.2	4270952	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	637206.2	4270952	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	637246.2	4270952	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	637286.2	4270952	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	637726.2	4270952	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	637766.2	4270952	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	637806.2	4270952	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	637846.2	4270952	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	637966.2	4270952	4.22E-08	1YrCancerD	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	638006.2	4270952	9.12E-08	1YrCancerD	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	638086.2	4270952	8.46E-08	1YrCancerD	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	638126.2	4270952	4.87E-08	1YrCancerD	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	638166.2	4270952	3.41E-08	1YrCancerD	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	638206.2	4270952	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	638246.2	4270952	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	638326.2	4270952	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	638366.2	4270952	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	633366.2	4270992	4.44E-08	1YrCancerD	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	633406.2	4270992	5.53E-08	1YrCancerD	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	633446.2	4270992	7.03E-08	1YrCancerD	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	633486.2	4270992	9.25E-08	1YrCancerD	9.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	633526.2	4270992	1.29E-07	1YrCancerD	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	633566.2	4270992	2.01E-07	1YrCancerD	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	633766.2	4270992	2.17E-07	1YrCancerD	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	633806.2	4270992	1.35E-07	1YrCancerD	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	633846.2	4270992	9.20E-08	1YrCancerD	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	634246.2	4270992	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	634286.2	4270992	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	634326.2	4270992	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	634366.2	4270992	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	634446.2	4270992	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	634486.2	4270992	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	634526.2	4270992	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	634566.2	4270992	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	634606.2	4270992	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	634646.2	4270992	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	634686.2	4270992	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	634726.2	4270992	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	634806.2	4270992	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	634846.2	4270992	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	634886.2	4270992	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	634926.2	4270992	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	634966.2	4270992	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	636206.2	4270992	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	636246.2	4270992	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	636366.2	4270992	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	636406.2	4270992	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	636446.2	4270992	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	636486.2	4270992	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	636526.2	4270992	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	636566.2	4270992	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	636606.2	4270992	3.01E-08	1YrCancerD	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	636646.2	4270992	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	636686.2	4270992	3.65E-08	1YrCancerD	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	636726.2	4270992	4.25E-08	1YrCancerD	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	636766.2	4270992	5.30E-08	1YrCancerD	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	636806.2	4270992	7.61E-08	1YrCancerD	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	636846.2	4270992	1.60E-07	1YrCancerD	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	636886.2	4270992	2.54E-07	1YrCancerD	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	636926.2	4270992	8.69E-08	1YrCancerD	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	636966.2	4270992	5.62E-08	1YrCancerD	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	637006.2	4270992	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	637046.2	4270992	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	637086.2	4270992	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	637126.2	4270992	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	637166.2	4270992	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	637206.2	4270992	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	637246.2	4270992	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	637286.2	4270992	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	637726.2	4270992	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	637766.2	4270992	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	637806.2	4270992	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1070	ALL	637846.2	4270992	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	637886.2	4270992	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	637966.2	4270992	4.27E-08	1YrCancerD	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	638086.2	4270992	8.40E-08	1YrCancerD	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	638126.2	4270992	4.92E-08	1YrCancerD	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	638166.2	4270992	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	638206.2	4270992	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	638246.2	4270992	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	638326.2	4270992	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	638366.2	4270992	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	633406.2	4271032	5.30E-08	1YrCancerD	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	633446.2	4271032	6.63E-08	1YrCancerD	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	633486.2	4271032	8.55E-08	1YrCancerD	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	633526.2	4271032	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	633566.2	4271032	1.72E-07	1YrCancerD	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	633606.2	4271032	3.08E-07	1YrCancerD	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	633766.2	4271032	2.39E-07	1YrCancerD	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	633806.2	4271032	1.40E-07	1YrCancerD	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	633846.2	4271032	9.37E-08	1YrCancerD	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	634126.2	4271032	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	634166.2	4271032	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	634206.2	4271032	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	634246.2	4271032	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	634286.2	4271032	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	634366.2	4271032	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	634406.2	4271032	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	634446.2	4271032	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	634486.2	4271032	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	634566.2	4271032	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	634606.2	4271032	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	634646.2	4271032	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	634726.2	4271032	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	634766.2	4271032	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	634806.2	4271032	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	634846.2	4271032	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	634886.2	4271032	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	634926.2	4271032	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	634966.2	4271032	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	635046.2	4271032	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	635086.2	4271032	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	635686.2	4271032	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	635726.2	4271032	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	635766.2	4271032	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	635806.2	4271032	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	635846.2	4271032	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	635886.2	4271032	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	635926.2	4271032	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	635966.2	4271032	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	636006.2	4271032	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	636046.2	4271032	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	636086.2	4271032	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	636126.2	4271032	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	636166.2	4271032	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	636206.2	4271032	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	636366.2	4271032	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	636406.2	4271032	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	636446.2	4271032	2.60E-08	1YrCancerD	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	636486.2	4271032	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	636526.2	4271032	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	636566.2	4271032	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	636606.2	4271032	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	636646.2	4271032	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	636686.2	4271032	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	636726.2	4271032	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	636766.2	4271032	4.45E-08	1YrCancerD	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	636806.2	4271032	5.63E-08	1YrCancerD	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	636846.2	4271032	8.38E-08	1YrCancerD	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	636886.2	4271032	2.04E-07	1YrCancerD	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	636926.2	4271032	1.87E-07	1YrCancerD	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	636966.2	4271032	7.87E-08	1YrCancerD	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	637046.2	4271032	4.20E-08	1YrCancerD	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	637086.2	4271032	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	637126.2	4271032	3.14E-08	1YrCancerD	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	637166.2	4271032	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	637206.2	4271032	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	637246.2	4271032	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	637766.2	4271032	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	637806.2	4271032	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	637846.2	4271032	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	637886.2	4271032	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	637926.2	4271032	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	637966.2	4271032	4.31E-08	1YrCancerD	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	638086.2	4271032	8.33E-08	1YrCancerD	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	638126.2	4271032	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	638166.2	4271032	3.52E-08	1YrCancerD	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	638206.2	4271032	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	638246.2	4271032	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	638326.2	4271032	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	638366.2	4271032	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	633406.2	4271072	5.08E-08	1YrCancerD	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	633446.2	4271072	6.27E-08	1YrCancerD	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	633486.2	4271072	7.96E-08	1YrCancerD	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	633526.2	4271072	1.06E-07	1YrCancerD	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	633566.2	4271072	1.50E-07	1YrCancerD	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	633606.2	4271072	2.47E-07	1YrCancerD	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	633806.2	4271072	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	633846.2	4271072	9.46E-08	1YrCancerD	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	634006.2	4271072	3.75E-08	1YrCancerD	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	634046.2	4271072	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	634086.2	4271072	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	634126.2	4271072	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	634166.2	4271072	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	634206.2	4271072	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	634246.2	4271072	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	634286.2	4271072	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	634326.2	4271072	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	634366.2	4271072	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1177	ALL	634406.2	4271072	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	634446.2	4271072	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	634486.2	4271072	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	634526.2	4271072	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	634566.2	4271072	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	634606.2	4271072	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	634646.2	4271072	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	634686.2	4271072	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	634726.2	4271072	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	634766.2	4271072	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	634806.2	4271072	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	634846.2	4271072	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	634886.2	4271072	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	634926.2	4271072	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	634966.2	4271072	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	635006.2	4271072	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	635046.2	4271072	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	635086.2	4271072	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	635126.2	4271072	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	635686.2	4271072	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	635726.2	4271072	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	635766.2	4271072	3.31E-08	1YrCancerD	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	635806.2	4271072	3.31E-08	1YrCancerD	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	635846.2	4271072	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	635886.2	4271072	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	635926.2	4271072	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	635966.2	4271072	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	636006.2	4271072	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	636046.2	4271072	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	636086.2	4271072	2.76E-08	1YrCancerD	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	636126.2	4271072	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	636166.2	4271072	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	636326.2	4271072	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	636366.2	4271072	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	636406.2	4271072	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	636446.2	4271072	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	636486.2	4271072	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	636526.2	4271072	2.73E-08	1YrCancerD	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	636566.2	4271072	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	636606.2	4271072	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	636646.2	4271072	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	636726.2	4271072	3.52E-08	1YrCancerD	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	636766.2	4271072	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	636806.2	4271072	4.66E-08	1YrCancerD	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	636846.2	4271072	5.99E-08	1YrCancerD	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	636886.2	4271072	9.32E-08	1YrCancerD	9.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	637006.2	4271072	7.22E-08	1YrCancerD	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	637046.2	4271072	5.08E-08	1YrCancerD	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	637086.2	4271072	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	637126.2	4271072	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	637166.2	4271072	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	637206.2	4271072	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	637766.2	4271072	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	637806.2	4271072	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	637846.2	4271072	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	637886.2	4271072	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	637926.2	4271072	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	637966.2	4271072	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	638086.2	4271072	8.25E-08	1YrCancerD	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	638126.2	4271072	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	638166.2	4271072	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	638206.2	4271072	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	638246.2	4271072	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	638326.2	4271072	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	638366.2	4271072	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	633406.2	4271112	4.87E-08	1YrCancerD	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	633446.2	4271112	5.95E-08	1YrCancerD	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	633486.2	4271112	7.48E-08	1YrCancerD	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	633526.2	4271112	9.79E-08	1YrCancerD	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	633566.2	4271112	1.36E-07	1YrCancerD	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	633606.2	4271112	2.10E-07	1YrCancerD	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	633806.2	4271112	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	633886.2	4271112	7.03E-08	1YrCancerD	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	633926.2	4271112	5.52E-08	1YrCancerD	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	633966.2	4271112	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	634006.2	4271112	3.81E-08	1YrCancerD	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	634046.2	4271112	3.31E-08	1YrCancerD	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	634126.2	4271112	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	634166.2	4271112	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	634206.2	4271112	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	634286.2	4271112	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	634326.2	4271112	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	634366.2	4271112	1.88E-08	1YrCancerD	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	634406.2	4271112	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	634486.2	4271112	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	634566.2	4271112	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	634606.2	4271112	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	634646.2	4271112	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	634686.2	4271112	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	634726.2	4271112	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	634766.2	4271112	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	634846.2	4271112	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	634886.2	4271112	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	634926.2	4271112	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	634966.2	4271112	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	635006.2	4271112	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	635046.2	4271112	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	635086.2	4271112	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	635126.2	4271112	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	635166.2	4271112	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	635686.2	4271112	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	635726.2	4271112	3.51E-08	1YrCancerD	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	635766.2	4271112	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	635806.2	4271112	3.52E-08	1YrCancerD	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	635846.2	4271112	3.46E-08	1YrCancerD	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	635886.2	4271112	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	635926.2	4271112	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1284	ALL	635966.2	4271112	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	636006.2	4271112	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	636046.2	4271112	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	636086.2	4271112	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	636126.2	4271112	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	636286.2	4271112	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	636326.2	4271112	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	636366.2	4271112	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	636406.2	4271112	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	636446.2	4271112	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	636486.2	4271112	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	636526.2	4271112	2.78E-08	1YrCancerD	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	636566.2	4271112	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	636646.2	4271112	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	636686.2	4271112	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	636726.2	4271112	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	636766.2	4271112	3.65E-08	1YrCancerD	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	636806.2	4271112	4.11E-08	1YrCancerD	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	636846.2	4271112	4.89E-08	1YrCancerD	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	636886.2	4271112	6.41E-08	1YrCancerD	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	636926.2	4271112	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	637006.2	4271112	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	637046.2	4271112	6.70E-08	1YrCancerD	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	637086.2	4271112	4.86E-08	1YrCancerD	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	637126.2	4271112	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	637166.2	4271112	3.40E-08	1YrCancerD	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	637766.2	4271112	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	637806.2	4271112	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	637846.2	4271112	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	637886.2	4271112	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	637926.2	4271112	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	637966.2	4271112	4.39E-08	1YrCancerD	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	638086.2	4271112	8.16E-08	1YrCancerD	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	638126.2	4271112	4.92E-08	1YrCancerD	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	638166.2	4271112	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1319	ALL	638206.2	4271112	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	638246.2	4271112	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	638326.2	4271112	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	638366.2	4271112	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	633326.2	4271152	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	633366.2	4271152	3.93E-08	1YrCancerD	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	633406.2	4271152	4.68E-08	1YrCancerD	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	633446.2	4271152	5.68E-08	1YrCancerD	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	633486.2	4271152	7.12E-08	1YrCancerD	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	633526.2	4271152	9.47E-08	1YrCancerD	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	633566.2	4271152	1.37E-07	1YrCancerD	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	633606.2	4271152	2.04E-07	1YrCancerD	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	633806.2	4271152	1.43E-07	1YrCancerD	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	633846.2	4271152	9.65E-08	1YrCancerD	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	633886.2	4271152	7.15E-08	1YrCancerD	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	633926.2	4271152	5.62E-08	1YrCancerD	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	633966.2	4271152	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	634006.2	4271152	3.88E-08	1YrCancerD	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	634046.2	4271152	3.37E-08	1YrCancerD	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	634086.2	4271152	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	634126.2	4271152	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	634166.2	4271152	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	634206.2	4271152	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	634246.2	4271152	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	634286.2	4271152	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	634326.2	4271152	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	634406.2	4271152	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	634486.2	4271152	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	634526.2	4271152	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	634566.2	4271152	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	634606.2	4271152	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	634646.2	4271152	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	634726.2	4271152	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	634766.2	4271152	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	634806.2	4271152	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	634886.2	4271152	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	634966.2	4271152	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	635006.2	4271152	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	635046.2	4271152	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	635086.2	4271152	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	635166.2	4271152	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	635686.2	4271152	3.71E-08	1YrCancerD	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	635726.2	4271152	3.77E-08	1YrCancerD	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	635766.2	4271152	3.78E-08	1YrCancerD	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1363	ALL	635806.2	4271152	3.74E-08	1YrCancerD	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	635846.2	4271152	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	635886.2	4271152	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	635926.2	4271152	3.41E-08	1YrCancerD	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	635966.2	4271152	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	636006.2	4271152	3.18E-08	1YrCancerD	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	636046.2	4271152	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	636086.2	4271152	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	636206.2	4271152	2.86E-08	1YrCancerD	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	636286.2	4271152	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	636326.2	4271152	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	636366.2	4271152	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	636566.2	4271152	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	636606.2	4271152	2.94E-08	1YrCancerD	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	636646.2	4271152	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	636686.2	4271152	3.13E-08	1YrCancerD	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	636766.2	4271152	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	636806.2	4271152	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	636846.2	4271152	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	636886.2	4271152	5.15E-08	1YrCancerD	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	636926.2	4271152	6.90E-08	1YrCancerD	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	636966.2	4271152	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	637046.2	4271152	1.07E-07	1YrCancerD	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	637086.2	4271152	6.29E-08	1YrCancerD	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	637126.2	4271152	4.69E-08	1YrCancerD	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	637766.2	4271152	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	637806.2	4271152	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	637846.2	4271152	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1391	ALL	637886.2	4271152	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	637926.2	4271152	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	637966.2	4271152	4.43E-08	1YrCancerD	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	633326.2	4271192	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	633366.2	4271192	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	633406.2	4271192	4.49E-08	1YrCancerD	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	633446.2	4271192	5.44E-08	1YrCancerD	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	633486.2	4271192	6.91E-08	1YrCancerD	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	633846.2	4271192	9.84E-08	1YrCancerD	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	633886.2	4271192	7.30E-08	1YrCancerD	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	633966.2	4271192	4.70E-08	1YrCancerD	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	634006.2	4271192	3.97E-08	1YrCancerD	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	634046.2	4271192	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	634086.2	4271192	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	634126.2	4271192	2.76E-08	1YrCancerD	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	634166.2	4271192	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1407	ALL	634206.2	4271192	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	634246.2	4271192	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	634286.2	4271192	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	634326.2	4271192	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	634366.2	4271192	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	634566.2	4271192	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	634606.2	4271192	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	634686.2	4271192	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	634726.2	4271192	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	634766.2	4271192	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	634806.2	4271192	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	634846.2	4271192	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	634966.2	4271192	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	635006.2	4271192	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	635046.2	4271192	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	635086.2	4271192	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	635126.2	4271192	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	635166.2	4271192	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	635246.2	4271192	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	635326.2	4271192	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	635366.2	4271192	2.86E-08	1YrCancerD	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	635406.2	4271192	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	635446.2	4271192	3.16E-08	1YrCancerD	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	635686.2	4271192	4.02E-08	1YrCancerD	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	635726.2	4271192	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	635766.2	4271192	4.06E-08	1YrCancerD	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	635806.2	4271192	3.99E-08	1YrCancerD	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	635846.2	4271192	3.87E-08	1YrCancerD	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	635886.2	4271192	3.73E-08	1YrCancerD	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	635926.2	4271192	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	635966.2	4271192	3.45E-08	1YrCancerD	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	636006.2	4271192	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	636166.2	4271192	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	636246.2	4271192	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	636286.2	4271192	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	636326.2	4271192	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	636366.2	4271192	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	636406.2	4271192	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	636446.2	4271192	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	636486.2	4271192	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	636526.2	4271192	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	636566.2	4271192	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	636606.2	4271192	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	636646.2	4271192	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1451	ALL	636686.2	4271192	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	636726.2	4271192	3.28E-08	1YrCancerD	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	636766.2	4271192	3.43E-08	1YrCancerD	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	636806.2	4271192	3.65E-08	1YrCancerD	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	636846.2	4271192	3.98E-08	1YrCancerD	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	636886.2	4271192	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	636926.2	4271192	5.46E-08	1YrCancerD	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	636966.2	4271192	7.51E-08	1YrCancerD	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	637006.2	4271192	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	637046.2	4271192	2.38E-07	1YrCancerD	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	637806.2	4271192	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	637846.2	4271192	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	637886.2	4271192	2.41E-08	1YrCancerD	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	637926.2	4271192	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	637966.2	4271192	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	638086.2	4271192	8.00E-08	1YrCancerD	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	638126.2	4271192	4.88E-08	1YrCancerD	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	638166.2	4271192	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	638206.2	4271192	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	638246.2	4271192	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	638286.2	4271192	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	638326.2	4271192	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	638366.2	4271192	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	633326.2	4271232	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	633366.2	4271232	3.67E-08	1YrCancerD	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	633406.2	4271232	4.31E-08	1YrCancerD	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	633446.2	4271232	5.20E-08	1YrCancerD	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	633486.2	4271232	6.71E-08	1YrCancerD	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	633526.2	4271232	1.17E-07	1YrCancerD	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	633846.2	4271232	1.00E-07	1YrCancerD	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	633886.2	4271232	7.47E-08	1YrCancerD	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	633926.2	4271232	5.88E-08	1YrCancerD	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	633966.2	4271232	4.81E-08	1YrCancerD	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	634006.2	4271232	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	634046.2	4271232	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	634086.2	4271232	3.13E-08	1YrCancerD	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	634166.2	4271232	2.60E-08	1YrCancerD	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	634206.2	4271232	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	634246.2	4271232	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	634646.2	4271232	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	634686.2	4271232	1.88E-08	1YrCancerD	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	634726.2	4271232	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	634766.2	4271232	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	634806.2	4271232	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1495	ALL	634846.2	4271232	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	634886.2	4271232	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	634926.2	4271232	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1498	ALL	635006.2	4271232	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	635046.2	4271232	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	635086.2	4271232	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	635126.2	4271232	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	635166.2	4271232	2.46E-08	1YrCancerD	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	635206.2	4271232	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	635246.2	4271232	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	635286.2	4271232	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	635326.2	4271232	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	635366.2	4271232	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	635406.2	4271232	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	635446.2	4271232	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	635486.2	4271232	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	635526.2	4271232	3.79E-08	1YrCancerD	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	635566.2	4271232	3.97E-08	1YrCancerD	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	635606.2	4271232	4.13E-08	1YrCancerD	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	635646.2	4271232	4.28E-08	1YrCancerD	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	635686.2	4271232	4.38E-08	1YrCancerD	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	635726.2	4271232	4.41E-08	1YrCancerD	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	635766.2	4271232	4.37E-08	1YrCancerD	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	635806.2	4271232	4.27E-08	1YrCancerD	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1519	ALL	635846.2	4271232	4.12E-08	1YrCancerD	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	635886.2	4271232	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	635926.2	4271232	3.79E-08	1YrCancerD	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	636086.2	4271232	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	636126.2	4271232	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	636206.2	4271232	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	636246.2	4271232	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	636286.2	4271232	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	636326.2	4271232	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	636366.2	4271232	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1529	ALL	636406.2	4271232	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	636446.2	4271232	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	636486.2	4271232	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	636526.2	4271232	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	636566.2	4271232	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	636606.2	4271232	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	636646.2	4271232	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	636686.2	4271232	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	636726.2	4271232	3.37E-08	1YrCancerD	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	636766.2	4271232	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1539	ALL	636806.2	4271232	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	636846.2	4271232	3.85E-08	1YrCancerD	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	636886.2	4271232	4.21E-08	1YrCancerD	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	636926.2	4271232	4.78E-08	1YrCancerD	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	636966.2	4271232	5.85E-08	1YrCancerD	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	637006.2	4271232	8.28E-08	1YrCancerD	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	637806.2	4271232	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	637846.2	4271232	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	637886.2	4271232	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	637926.2	4271232	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1549	ALL	637966.2	4271232	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	638086.2	4271232	7.91E-08	1YrCancerD	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	638126.2	4271232	4.86E-08	1YrCancerD	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	638166.2	4271232	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	638206.2	4271232	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	638246.2	4271232	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	638286.2	4271232	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	638326.2	4271232	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	638366.2	4271232	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	633326.2	4271272	3.07E-08	1YrCancerD	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	633366.2	4271272	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	633406.2	4271272	4.13E-08	1YrCancerD	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	633446.2	4271272	4.97E-08	1YrCancerD	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	633486.2	4271272	6.42E-08	1YrCancerD	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	633526.2	4271272	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	633606.2	4271272	1.55E-07	1YrCancerD	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	633646.2	4271272	1.37E-07	1YrCancerD	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	633686.2	4271272	1.38E-07	1YrCancerD	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	633846.2	4271272	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	633886.2	4271272	7.62E-08	1YrCancerD	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	633926.2	4271272	6.01E-08	1YrCancerD	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	633966.2	4271272	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	634006.2	4271272	4.18E-08	1YrCancerD	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1572	ALL	634046.2	4271272	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	634086.2	4271272	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1574	ALL	634246.2	4271272	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	634286.2	4271272	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	634686.2	4271272	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	634726.2	4271272	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	634766.2	4271272	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	634806.2	4271272	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	634846.2	4271272	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	634886.2	4271272	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	634926.2	4271272	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1583	ALL	634966.2	4271272	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584	ALL	635006.2	4271272	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585	ALL	635086.2	4271272	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586	ALL	635126.2	4271272	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587	ALL	635166.2	4271272	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588	ALL	635206.2	4271272	2.73E-08	1YrCancerD	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589	ALL	635246.2	4271272	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590	ALL	635286.2	4271272	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591	ALL	635326.2	4271272	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592	ALL	635366.2	4271272	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593	ALL	635406.2	4271272	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594	ALL	635446.2	4271272	3.76E-08	1YrCancerD	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595	ALL	635486.2	4271272	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596	ALL	635526.2	4271272	4.16E-08	1YrCancerD	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597	ALL	635566.2	4271272	4.36E-08	1YrCancerD	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1598	ALL	635606.2	4271272	4.54E-08	1YrCancerD	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1599	ALL	635646.2	4271272	4.69E-08	1YrCancerD	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600	ALL	635686.2	4271272	4.79E-08	1YrCancerD	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601	ALL	635726.2	4271272	4.80E-08	1YrCancerD	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602	ALL	635766.2	4271272	4.73E-08	1YrCancerD	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603	ALL	635806.2	4271272	4.58E-08	1YrCancerD	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604	ALL	635846.2	4271272	4.40E-08	1YrCancerD	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1605	ALL	636046.2	4271272	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606	ALL	636086.2	4271272	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607	ALL	636166.2	4271272	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608	ALL	636206.2	4271272	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609	ALL	636246.2	4271272	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610	ALL	636286.2	4271272	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611	ALL	636326.2	4271272	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612	ALL	636366.2	4271272	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613	ALL	636406.2	4271272	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614	ALL	636446.2	4271272	3.60E-08	1YrCancerD	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615	ALL	636486.2	4271272	3.60E-08	1YrCancerD	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616	ALL	636526.2	4271272	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617	ALL	636566.2	4271272	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618	ALL	636606.2	4271272	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1619	ALL	636646.2	4271272	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620	ALL	636686.2	4271272	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621	ALL	636726.2	4271272	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622	ALL	636766.2	4271272	3.65E-08	1YrCancerD	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623	ALL	636806.2	4271272	3.75E-08	1YrCancerD	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624	ALL	636846.2	4271272	3.90E-08	1YrCancerD	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625	ALL	636886.2	4271272	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626	ALL	636926.2	4271272	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1627	ALL	636966.2	4271272	5.16E-08	1YrCancerD	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	637006.2	4271272	6.38E-08	1YrCancerD	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	637046.2	4271272	9.36E-08	1YrCancerD	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	638086.2	4271272	7.83E-08	1YrCancerD	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	638126.2	4271272	4.84E-08	1YrCancerD	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	638166.2	4271272	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1633	ALL	638206.2	4271272	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	638246.2	4271272	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	638286.2	4271272	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	638326.2	4271272	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	638366.2	4271272	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	633366.2	4271312	3.40E-08	1YrCancerD	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	633406.2	4271312	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	633446.2	4271312	4.73E-08	1YrCancerD	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	633486.2	4271312	6.03E-08	1YrCancerD	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	633526.2	4271312	8.84E-08	1YrCancerD	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	633606.2	4271312	1.59E-07	1YrCancerD	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	633646.2	4271312	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	633686.2	4271312	1.11E-07	1YrCancerD	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	633846.2	4271312	1.06E-07	1YrCancerD	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	633886.2	4271312	7.78E-08	1YrCancerD	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	633926.2	4271312	6.14E-08	1YrCancerD	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1649	ALL	634006.2	4271312	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	634126.2	4271312	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	634166.2	4271312	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	634206.2	4271312	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	634246.2	4271312	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	634726.2	4271312	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	634766.2	4271312	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	634846.2	4271312	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	634886.2	4271312	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	634926.2	4271312	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	634966.2	4271312	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	635046.2	4271312	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	635086.2	4271312	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	635166.2	4271312	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	635206.2	4271312	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1664	ALL	635246.2	4271312	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	635286.2	4271312	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	635326.2	4271312	3.45E-08	1YrCancerD	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	635406.2	4271312	3.90E-08	1YrCancerD	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	635446.2	4271312	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	635486.2	4271312	4.37E-08	1YrCancerD	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	635526.2	4271312	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1671	ALL	635566.2	4271312	4.82E-08	1YrCancerD	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	635606.2	4271312	5.03E-08	1YrCancerD	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	635646.2	4271312	5.19E-08	1YrCancerD	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	635686.2	4271312	5.28E-08	1YrCancerD	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	635726.2	4271312	5.26E-08	1YrCancerD	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	635766.2	4271312	5.13E-08	1YrCancerD	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	635926.2	4271312	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	635966.2	4271312	4.22E-08	1YrCancerD	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	636006.2	4271312	4.12E-08	1YrCancerD	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	636126.2	4271312	4.00E-08	1YrCancerD	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	636166.2	4271312	4.00E-08	1YrCancerD	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	636206.2	4271312	4.01E-08	1YrCancerD	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	636246.2	4271312	4.04E-08	1YrCancerD	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	636286.2	4271312	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	636326.2	4271312	4.15E-08	1YrCancerD	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	636366.2	4271312	4.22E-08	1YrCancerD	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	636406.2	4271312	4.28E-08	1YrCancerD	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	636446.2	4271312	4.31E-08	1YrCancerD	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	636486.2	4271312	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	636526.2	4271312	4.26E-08	1YrCancerD	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	636566.2	4271312	4.20E-08	1YrCancerD	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1692	ALL	636606.2	4271312	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	636646.2	4271312	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	636686.2	4271312	4.06E-08	1YrCancerD	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	636726.2	4271312	4.04E-08	1YrCancerD	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	636766.2	4271312	4.05E-08	1YrCancerD	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	636806.2	4271312	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	636846.2	4271312	4.17E-08	1YrCancerD	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1699	ALL	636886.2	4271312	4.32E-08	1YrCancerD	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	636926.2	4271312	4.57E-08	1YrCancerD	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	636966.2	4271312	5.00E-08	1YrCancerD	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	637006.2	4271312	5.77E-08	1YrCancerD	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	637046.2	4271312	7.33E-08	1YrCancerD	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	637086.2	4271312	1.13E-07	1YrCancerD	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	637846.2	4271312	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	637886.2	4271312	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	637966.2	4271312	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	638086.2	4271312	7.75E-08	1YrCancerD	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1709	ALL	638126.2	4271312	4.82E-08	1YrCancerD	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	638166.2	4271312	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	638206.2	4271312	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1712	ALL	638246.2	4271312	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	638286.2	4271312	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	638326.2	4271312	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1715	ALL	638366.2	4271312	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	633366.2	4271352	3.28E-08	1YrCancerD	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	633406.2	4271352	3.78E-08	1YrCancerD	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	633446.2	4271352	4.48E-08	1YrCancerD	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	633486.2	4271352	5.59E-08	1YrCancerD	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	633526.2	4271352	7.55E-08	1YrCancerD	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	633566.2	4271352	1.35E-07	1YrCancerD	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	633606.2	4271352	2.00E-07	1YrCancerD	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	633646.2	4271352	1.10E-07	1YrCancerD	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	633686.2	4271352	9.65E-08	1YrCancerD	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	633726.2	4271352	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	633886.2	4271352	8.03E-08	1YrCancerD	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	634006.2	4271352	4.43E-08	1YrCancerD	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	634046.2	4271352	3.86E-08	1YrCancerD	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	634086.2	4271352	3.42E-08	1YrCancerD	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	634126.2	4271352	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	634806.2	4271352	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	634846.2	4271352	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	634886.2	4271352	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	634926.2	4271352	2.41E-08	1YrCancerD	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1735	ALL	634966.2	4271352	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	635006.2	4271352	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	635046.2	4271352	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	635126.2	4271352	2.86E-08	1YrCancerD	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	635206.2	4271352	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	635246.2	4271352	3.33E-08	1YrCancerD	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	635326.2	4271352	3.78E-08	1YrCancerD	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	635366.2	4271352	4.04E-08	1YrCancerD	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	635406.2	4271352	4.31E-08	1YrCancerD	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	635446.2	4271352	4.59E-08	1YrCancerD	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	635486.2	4271352	4.86E-08	1YrCancerD	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	635526.2	4271352	5.13E-08	1YrCancerD	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	635566.2	4271352	5.38E-08	1YrCancerD	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	635606.2	4271352	5.61E-08	1YrCancerD	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1749	ALL	635646.2	4271352	5.79E-08	1YrCancerD	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	635686.2	4271352	5.86E-08	1YrCancerD	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	635846.2	4271352	5.12E-08	1YrCancerD	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	635886.2	4271352	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	636006.2	4271352	4.67E-08	1YrCancerD	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1754	ALL	636046.2	4271352	4.67E-08	1YrCancerD	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	636086.2	4271352	4.69E-08	1YrCancerD	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	636126.2	4271352	4.75E-08	1YrCancerD	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	636166.2	4271352	4.82E-08	1YrCancerD	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	636206.2	4271352	4.90E-08	1YrCancerD	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1759	ALL	636246.2	4271352	5.03E-08	1YrCancerD	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	636286.2	4271352	5.21E-08	1YrCancerD	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	636326.2	4271352	5.43E-08	1YrCancerD	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	636366.2	4271352	5.70E-08	1YrCancerD	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	636406.2	4271352	5.91E-08	1YrCancerD	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	636606.2	4271352	5.45E-08	1YrCancerD	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	636646.2	4271352	5.29E-08	1YrCancerD	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	636686.2	4271352	5.15E-08	1YrCancerD	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	636726.2	4271352	5.04E-08	1YrCancerD	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	636766.2	4271352	4.95E-08	1YrCancerD	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	636806.2	4271352	4.89E-08	1YrCancerD	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	636846.2	4271352	4.88E-08	1YrCancerD	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	636886.2	4271352	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	636926.2	4271352	5.07E-08	1YrCancerD	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	636966.2	4271352	5.38E-08	1YrCancerD	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	637006.2	4271352	6.03E-08	1YrCancerD	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	637046.2	4271352	7.41E-08	1YrCancerD	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	637086.2	4271352	1.07E-07	1YrCancerD	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	637846.2	4271352	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	637886.2	4271352	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	637966.2	4271352	4.65E-08	1YrCancerD	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	ALL	638086.2	4271352	7.67E-08	1YrCancerD	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	638126.2	4271352	4.80E-08	1YrCancerD	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	638166.2	4271352	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	638206.2	4271352	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	638246.2	4271352	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	638286.2	4271352	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	ALL	638326.2	4271352	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	638366.2	4271352	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	633366.2	4271392	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	633406.2	4271392	3.60E-08	1YrCancerD	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	633446.2	4271392	4.23E-08	1YrCancerD	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	633486.2	4271392	5.14E-08	1YrCancerD	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	633526.2	4271392	6.56E-08	1YrCancerD	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	633566.2	4271392	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	633646.2	4271392	1.15E-07	1YrCancerD	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	633686.2	4271392	8.94E-08	1YrCancerD	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	633726.2	4271392	8.83E-08	1YrCancerD	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	633886.2	4271392	8.50E-08	1YrCancerD	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	633926.2	4271392	6.51E-08	1YrCancerD	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	ALL	633966.2	4271392	5.37E-08	1YrCancerD	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	634006.2	4271392	4.58E-08	1YrCancerD	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	634046.2	4271392	3.99E-08	1YrCancerD	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	634086.2	4271392	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	ALL	634126.2	4271392	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	634166.2	4271392	2.94E-08	1YrCancerD	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	634246.2	4271392	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	634286.2	4271392	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	634846.2	4271392	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	634886.2	4271392	2.46E-08	1YrCancerD	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	634926.2	4271392	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	634966.2	4271392	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	635006.2	4271392	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	635126.2	4271392	3.07E-08	1YrCancerD	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	635166.2	4271392	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	635246.2	4271392	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	635286.2	4271392	3.89E-08	1YrCancerD	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	635326.2	4271392	4.17E-08	1YrCancerD	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	635366.2	4271392	4.48E-08	1YrCancerD	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	635406.2	4271392	4.80E-08	1YrCancerD	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1819	ALL	635446.2	4271392	5.13E-08	1YrCancerD	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	635486.2	4271392	5.45E-08	1YrCancerD	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	635526.2	4271392	5.77E-08	1YrCancerD	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	ALL	635566.2	4271392	6.06E-08	1YrCancerD	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	635606.2	4271392	6.33E-08	1YrCancerD	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	635766.2	4271392	6.17E-08	1YrCancerD	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	635806.2	4271392	5.91E-08	1YrCancerD	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	635886.2	4271392	5.56E-08	1YrCancerD	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	635926.2	4271392	5.53E-08	1YrCancerD	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	635966.2	4271392	5.57E-08	1YrCancerD	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	636006.2	4271392	5.70E-08	1YrCancerD	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	636046.2	4271392	5.88E-08	1YrCancerD	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	636086.2	4271392	6.12E-08	1YrCancerD	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	636126.2	4271392	6.42E-08	1YrCancerD	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	636166.2	4271392	6.72E-08	1YrCancerD	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	636206.2	4271392	7.14E-08	1YrCancerD	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	636246.2	4271392	7.74E-08	1YrCancerD	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	636286.2	4271392	8.57E-08	1YrCancerD	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	636326.2	4271392	9.80E-08	1YrCancerD	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	636366.2	4271392	1.15E-07	1YrCancerD	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	ALL	636406.2	4271392	1.28E-07	1YrCancerD	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	636446.2	4271392	1.32E-07	1YrCancerD	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	636486.2	4271392	1.33E-07	1YrCancerD	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	636526.2	4271392	1.22E-07	1YrCancerD	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	636566.2	4271392	1.10E-07	1YrCancerD	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	ALL	636606.2	4271392	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	636646.2	4271392	9.28E-08	1YrCancerD	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	636686.2	4271392	8.61E-08	1YrCancerD	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	ALL	636726.2	4271392	8.03E-08	1YrCancerD	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	636766.2	4271392	7.56E-08	1YrCancerD	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	ALL	636806.2	4271392	7.19E-08	1YrCancerD	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	636846.2	4271392	6.90E-08	1YrCancerD	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	636886.2	4271392	6.70E-08	1YrCancerD	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	636926.2	4271392	6.66E-08	1YrCancerD	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	636966.2	4271392	6.92E-08	1YrCancerD	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	637006.2	4271392	7.98E-08	1YrCancerD	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	637046.2	4271392	1.10E-07	1YrCancerD	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	637846.2	4271392	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	637886.2	4271392	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	637966.2	4271392	4.70E-08	1YrCancerD	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	638086.2	4271392	7.60E-08	1YrCancerD	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	638126.2	4271392	4.78E-08	1YrCancerD	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	638166.2	4271392	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	638206.2	4271392	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	638246.2	4271392	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	638286.2	4271392	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	638326.2	4271392	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	638366.2	4271392	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	633406.2	4271432	3.43E-08	1YrCancerD	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	633446.2	4271432	3.98E-08	1YrCancerD	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	633486.2	4271432	4.71E-08	1YrCancerD	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	633526.2	4271432	5.76E-08	1YrCancerD	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	633566.2	4271432	8.02E-08	1YrCancerD	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	633646.2	4271432	1.32E-07	1YrCancerD	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	633766.2	4271432	8.85E-08	1YrCancerD	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	633926.2	4271432	6.94E-08	1YrCancerD	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	633966.2	4271432	5.63E-08	1YrCancerD	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	634006.2	4271432	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	634046.2	4271432	4.15E-08	1YrCancerD	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	634086.2	4271432	3.68E-08	1YrCancerD	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	634126.2	4271432	3.32E-08	1YrCancerD	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	ALL	634166.2	4271432	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	634966.2	4271432	2.78E-08	1YrCancerD	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	635006.2	4271432	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	635046.2	4271432	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	635086.2	4271432	3.15E-08	1YrCancerD	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	635166.2	4271432	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	635206.2	4271432	3.72E-08	1YrCancerD	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	635246.2	4271432	3.98E-08	1YrCancerD	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	635286.2	4271432	4.29E-08	1YrCancerD	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	ALL	635326.2	4271432	4.64E-08	1YrCancerD	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	635366.2	4271432	5.01E-08	1YrCancerD	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	ALL	635406.2	4271432	5.39E-08	1YrCancerD	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	635486.2	4271432	6.18E-08	1YrCancerD	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	ALL	635526.2	4271432	6.56E-08	1YrCancerD	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	635686.2	4271432	7.42E-08	1YrCancerD	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	635726.2	4271432	7.21E-08	1YrCancerD	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	635806.2	4271432	6.73E-08	1YrCancerD	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	635846.2	4271432	6.65E-08	1YrCancerD	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	635886.2	4271432	6.74E-08	1YrCancerD	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	ALL	635926.2	4271432	7.06E-08	1YrCancerD	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	636006.2	4271432	8.43E-08	1YrCancerD	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	636046.2	4271432	9.49E-08	1YrCancerD	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	636086.2	4271432	1.11E-07	1YrCancerD	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	636126.2	4271432	1.34E-07	1YrCancerD	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	637846.2	4271432	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	637886.2	4271432	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	637966.2	4271432	4.76E-08	1YrCancerD	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	638086.2	4271432	7.53E-08	1YrCancerD	7.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	638126.2	4271432	4.76E-08	1YrCancerD	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	638166.2	4271432	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	638206.2	4271432	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	638246.2	4271432	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	638366.2	4271432	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	633406.2	4271472	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	633446.2	4271472	3.73E-08	1YrCancerD	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	633486.2	4271472	4.31E-08	1YrCancerD	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	633526.2	4271472	5.12E-08	1YrCancerD	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	633766.2	4271472	7.78E-08	1YrCancerD	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	633806.2	4271472	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	ALL	633886.2	4271472	1.20E-07	1YrCancerD	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	633926.2	4271472	7.83E-08	1YrCancerD	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	633966.2	4271472	6.07E-08	1YrCancerD	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	634006.2	4271472	5.04E-08	1YrCancerD	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	634046.2	4271472	4.34E-08	1YrCancerD	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	634966.2	4271472	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	635006.2	4271472	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1926	ALL	635126.2	4271472	3.58E-08	1YrCancerD	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	635166.2	4271472	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	635206.2	4271472	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	635246.2	4271472	4.40E-08	1YrCancerD	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	635286.2	4271472	4.78E-08	1YrCancerD	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	635326.2	4271472	5.20E-08	1YrCancerD	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	635406.2	4271472	6.11E-08	1YrCancerD	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	635446.2	4271472	6.59E-08	1YrCancerD	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	ALL	635606.2	4271472	8.39E-08	1YrCancerD	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	ALL	635646.2	4271472	8.61E-08	1YrCancerD	8.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	635686.2	4271472	8.54E-08	1YrCancerD	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	635726.2	4271472	8.31E-08	1YrCancerD	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	635766.2	4271472	8.13E-08	1YrCancerD	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	635806.2	4271472	8.22E-08	1YrCancerD	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	635846.2	4271472	8.70E-08	1YrCancerD	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	635886.2	4271472	9.95E-08	1YrCancerD	9.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	ALL	635926.2	4271472	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	637846.2	4271472	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	637886.2	4271472	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	637966.2	4271472	4.81E-08	1YrCancerD	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	638086.2	4271472	7.46E-08	1YrCancerD	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	638126.2	4271472	4.74E-08	1YrCancerD	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	638166.2	4271472	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	ALL	638206.2	4271472	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	ALL	638326.2	4271472	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	ALL	638366.2	4271472	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	ALL	633406.2	4271512	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	ALL	633446.2	4271512	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	ALL	633486.2	4271512	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	ALL	633806.2	4271512	8.13E-08	1YrCancerD	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	ALL	633926.2	4271512	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	ALL	633966.2	4271512	6.91E-08	1YrCancerD	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	ALL	634126.2	4271512	3.68E-08	1YrCancerD	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	ALL	634166.2	4271512	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	ALL	634206.2	4271512	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	ALL	634246.2	4271512	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	ALL	634286.2	4271512	2.76E-08	1YrCancerD	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	ALL	634326.2	4271512	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	ALL	634366.2	4271512	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	ALL	634406.2	4271512	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	ALL	634446.2	4271512	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	ALL	635006.2	4271512	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	ALL	635166.2	4271512	4.16E-08	1YrCancerD	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	ALL	635206.2	4271512	4.49E-08	1YrCancerD	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	ALL	635246.2	4271512	4.90E-08	1YrCancerD	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	ALL	635326.2	4271512	5.88E-08	1YrCancerD	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	ALL	635366.2	4271512	6.43E-08	1YrCancerD	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	ALL	635526.2	4271512	8.90E-08	1YrCancerD	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	ALL	635566.2	4271512	9.49E-08	1YrCancerD	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	ALL	635606.2	4271512	9.98E-08	1YrCancerD	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	ALL	635646.2	4271512	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	ALL	635686.2	4271512	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	ALL	635726.2	4271512	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1979	ALL	635766.2	4271512	1.07E-07	1YrCancerD	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	ALL	635806.2	4271512	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	ALL	635846.2	4271512	1.79E-07	1YrCancerD	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	ALL	637846.2	4271512	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	ALL	637886.2	4271512	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	ALL	637966.2	4271512	4.87E-08	1YrCancerD	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	ALL	638086.2	4271512	7.39E-08	1YrCancerD	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	ALL	638126.2	4271512	4.72E-08	1YrCancerD	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	ALL	638166.2	4271512	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	ALL	638206.2	4271512	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	ALL	638286.2	4271512	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	ALL	638326.2	4271512	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	ALL	638366.2	4271512	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	ALL	633406.2	4271552	2.94E-08	1YrCancerD	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	ALL	633446.2	4271552	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	ALL	633486.2	4271552	3.64E-08	1YrCancerD	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	ALL	633526.2	4271552	4.15E-08	1YrCancerD	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	ALL	633766.2	4271552	6.69E-08	1YrCancerD	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	ALL	633806.2	4271552	6.95E-08	1YrCancerD	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	ALL	633846.2	4271552	8.58E-08	1YrCancerD	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999	ALL	634086.2	4271552	4.45E-08	1YrCancerD	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000	ALL	634126.2	4271552	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001	ALL	634166.2	4271552	3.57E-08	1YrCancerD	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002	ALL	634206.2	4271552	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003	ALL	634246.2	4271552	3.07E-08	1YrCancerD	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004	ALL	634286.2	4271552	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005	ALL	634326.2	4271552	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006	ALL	634366.2	4271552	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007	ALL	634406.2	4271552	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008	ALL	634446.2	4271552	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009	ALL	634486.2	4271552	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010	ALL	634526.2	4271552	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011	ALL	634566.2	4271552	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012	ALL	635446.2	4271552	8.96E-08	1YrCancerD	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	ALL	635486.2	4271552	9.84E-08	1YrCancerD	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014	ALL	635526.2	4271552	1.08E-07	1YrCancerD	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015	ALL	635566.2	4271552	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016	ALL	635606.2	4271552	1.23E-07	1YrCancerD	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017	ALL	635646.2	4271552	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018	ALL	635686.2	4271552	1.27E-07	1YrCancerD	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019	ALL	635726.2	4271552	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020	ALL	635766.2	4271552	2.31E-07	1YrCancerD	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021	ALL	633446.2	4271592	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022	ALL	633486.2	4271592	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023	ALL	633526.2	4271592	3.78E-08	1YrCancerD	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024	ALL	633646.2	4271592	1.25E-07	1YrCancerD	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025	ALL	633686.2	4271592	1.60E-07	1YrCancerD	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026	ALL	633726.2	4271592	8.12E-08	1YrCancerD	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027	ALL	633766.2	4271592	6.53E-08	1YrCancerD	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028	ALL	633806.2	4271592	6.27E-08	1YrCancerD	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029	ALL	634046.2	4271592	6.11E-08	1YrCancerD	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030	ALL	634086.2	4271592	5.00E-08	1YrCancerD	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031	ALL	634126.2	4271592	4.32E-08	1YrCancerD	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032	ALL	634166.2	4271592	3.86E-08	1YrCancerD	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2033	ALL	634206.2	4271592	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034	ALL	634246.2	4271592	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035	ALL	634286.2	4271592	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036	ALL	634326.2	4271592	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037	ALL	634366.2	4271592	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038	ALL	634406.2	4271592	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039	ALL	634446.2	4271592	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040	ALL	634486.2	4271592	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041	ALL	634526.2	4271592	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042	ALL	634566.2	4271592	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043	ALL	634606.2	4271592	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044	ALL	634646.2	4271592	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045	ALL	635086.2	4271592	4.34E-08	1YrCancerD	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046	ALL	635126.2	4271592	4.67E-08	1YrCancerD	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047	ALL	635166.2	4271592	5.08E-08	1YrCancerD	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048	ALL	635206.2	4271592	5.59E-08	1YrCancerD	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049	ALL	635366.2	4271592	8.65E-08	1YrCancerD	8.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050	ALL	635406.2	4271592	9.66E-08	1YrCancerD	9.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051	ALL	635446.2	4271592	1.08E-07	1YrCancerD	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052	ALL	635486.2	4271592	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053	ALL	635526.2	4271592	1.35E-07	1YrCancerD	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054	ALL	635566.2	4271592	1.49E-07	1YrCancerD	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055	ALL	635606.2	4271592	1.59E-07	1YrCancerD	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056	ALL	635646.2	4271592	1.65E-07	1YrCancerD	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057	ALL	635686.2	4271592	2.00E-07	1YrCancerD	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058	ALL	638046.2	4271592	1.83E-07	1YrCancerD	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059	ALL	638086.2	4271592	7.26E-08	1YrCancerD	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060	ALL	638126.2	4271592	4.68E-08	1YrCancerD	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061	ALL	638166.2	4271592	3.51E-08	1YrCancerD	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062	ALL	638206.2	4271592	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063	ALL	638246.2	4271592	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064	ALL	638286.2	4271592	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065	ALL	638326.2	4271592	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066	ALL	638366.2	4271592	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2067	ALL	633446.2	4271632	2.86E-08	1YrCancerD	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2068	ALL	633486.2	4271632	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069	ALL	633526.2	4271632	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070	ALL	633566.2	4271632	4.05E-08	1YrCancerD	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071	ALL	633606.2	4271632	5.23E-08	1YrCancerD	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072	ALL	633646.2	4271632	8.90E-08	1YrCancerD	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073	ALL	634046.2	4271632	8.29E-08	1YrCancerD	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074	ALL	634086.2	4271632	6.02E-08	1YrCancerD	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075	ALL	634126.2	4271632	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076	ALL	634166.2	4271632	4.29E-08	1YrCancerD	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077	ALL	634206.2	4271632	3.88E-08	1YrCancerD	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078	ALL	634246.2	4271632	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079	ALL	634286.2	4271632	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080	ALL	634326.2	4271632	3.22E-08	1YrCancerD	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081	ALL	634366.2	4271632	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082	ALL	634406.2	4271632	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083	ALL	634446.2	4271632	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084	ALL	634486.2	4271632	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085	ALL	634526.2	4271632	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086	ALL	634566.2	4271632	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087	ALL	634606.2	4271632	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088	ALL	634646.2	4271632	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089	ALL	634686.2	4271632	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090	ALL	635086.2	4271632	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091	ALL	635126.2	4271632	5.18E-08	1YrCancerD	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092	ALL	635166.2	4271632	5.68E-08	1YrCancerD	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093	ALL	635286.2	4271632	8.04E-08	1YrCancerD	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094	ALL	635326.2	4271632	9.09E-08	1YrCancerD	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095	ALL	635366.2	4271632	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096	ALL	635406.2	4271632	1.17E-07	1YrCancerD	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097	ALL	635446.2	4271632	1.34E-07	1YrCancerD	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098	ALL	635486.2	4271632	1.55E-07	1YrCancerD	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099	ALL	635526.2	4271632	1.80E-07	1YrCancerD	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100	ALL	635566.2	4271632	2.05E-07	1YrCancerD	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101	ALL	635606.2	4271632	2.26E-07	1YrCancerD	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102	ALL	635646.2	4271632	2.76E-07	1YrCancerD	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103	ALL	638046.2	4271632	1.78E-07	1YrCancerD	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104	ALL	638086.2	4271632	7.20E-08	1YrCancerD	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105	ALL	638126.2	4271632	4.66E-08	1YrCancerD	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106	ALL	638166.2	4271632	3.51E-08	1YrCancerD	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107	ALL	638206.2	4271632	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108	ALL	638246.2	4271632	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109	ALL	638286.2	4271632	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110	ALL	638326.2	4271632	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2111	ALL	638366.2	4271632	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112	ALL	634126.2	4271672	6.06E-08	1YrCancerD	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113	ALL	634166.2	4271672	5.04E-08	1YrCancerD	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114	ALL	634206.2	4271672	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115	ALL	634246.2	4271672	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116	ALL	634286.2	4271672	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117	ALL	634326.2	4271672	3.58E-08	1YrCancerD	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118	ALL	634366.2	4271672	3.43E-08	1YrCancerD	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119	ALL	634406.2	4271672	3.33E-08	1YrCancerD	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120	ALL	634446.2	4271672	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121	ALL	634486.2	4271672	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122	ALL	634526.2	4271672	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123	ALL	634566.2	4271672	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124	ALL	634606.2	4271672	3.18E-08	1YrCancerD	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125	ALL	634646.2	4271672	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126	ALL	634686.2	4271672	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127	ALL	634726.2	4271672	3.32E-08	1YrCancerD	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128	ALL	635206.2	4271672	7.26E-08	1YrCancerD	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129	ALL	635246.2	4271672	8.28E-08	1YrCancerD	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130	ALL	635286.2	4271672	9.45E-08	1YrCancerD	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131	ALL	635326.2	4271672	1.08E-07	1YrCancerD	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132	ALL	635366.2	4271672	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133	ALL	635406.2	4271672	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134	ALL	635446.2	4271672	1.73E-07	1YrCancerD	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135	ALL	635486.2	4271672	2.11E-07	1YrCancerD	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136	ALL	635526.2	4271672	2.63E-07	1YrCancerD	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137	ALL	635566.2	4271672	3.32E-07	1YrCancerD	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138	ALL	638046.2	4271672	1.74E-07	1YrCancerD	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139	ALL	638086.2	4271672	7.14E-08	1YrCancerD	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2140	ALL	638126.2	4271672	4.64E-08	1YrCancerD	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141	ALL	638166.2	4271672	3.50E-08	1YrCancerD	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142	ALL	638206.2	4271672	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143	ALL	638246.2	4271672	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144	ALL	638286.2	4271672	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145	ALL	638326.2	4271672	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146	ALL	638366.2	4271672	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147	ALL	634166.2	4271712	6.78E-08	1YrCancerD	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148	ALL	634206.2	4271712	5.70E-08	1YrCancerD	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149	ALL	634246.2	4271712	5.01E-08	1YrCancerD	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	ALL	634286.2	4271712	4.53E-08	1YrCancerD	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	ALL	634326.2	4271712	4.19E-08	1YrCancerD	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	ALL	634366.2	4271712	3.97E-08	1YrCancerD	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	ALL	634406.2	4271712	3.81E-08	1YrCancerD	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	ALL	634446.2	4271712	3.70E-08	1YrCancerD	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2155	ALL	634486.2	4271712	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	ALL	634526.2	4271712	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157	ALL	634566.2	4271712	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	ALL	634606.2	4271712	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159	ALL	634646.2	4271712	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	ALL	634686.2	4271712	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	ALL	634726.2	4271712	3.66E-08	1YrCancerD	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2162	ALL	634766.2	4271712	3.75E-08	1YrCancerD	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	ALL	635166.2	4271712	7.39E-08	1YrCancerD	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	ALL	635206.2	4271712	8.46E-08	1YrCancerD	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	ALL	635246.2	4271712	9.75E-08	1YrCancerD	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	ALL	635286.2	4271712	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	ALL	635326.2	4271712	1.30E-07	1YrCancerD	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	ALL	635366.2	4271712	1.54E-07	1YrCancerD	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	ALL	635406.2	4271712	1.87E-07	1YrCancerD	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	ALL	635446.2	4271712	2.37E-07	1YrCancerD	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	ALL	635486.2	4271712	3.18E-07	1YrCancerD	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	ALL	635526.2	4271712	4.64E-07	1YrCancerD	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	ALL	638046.2	4271712	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	ALL	638086.2	4271712	7.09E-08	1YrCancerD	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	ALL	638126.2	4271712	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	ALL	638166.2	4271712	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	ALL	638206.2	4271712	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	ALL	638326.2	4271712	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	ALL	638366.2	4271712	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	ALL	634246.2	4271752	7.37E-08	1YrCancerD	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	ALL	634286.2	4271752	6.13E-08	1YrCancerD	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	ALL	634326.2	4271752	5.42E-08	1YrCancerD	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	ALL	634366.2	4271752	5.02E-08	1YrCancerD	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	ALL	634406.2	4271752	4.73E-08	1YrCancerD	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	ALL	634446.2	4271752	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	ALL	634486.2	4271752	4.33E-08	1YrCancerD	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	ALL	634526.2	4271752	4.21E-08	1YrCancerD	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	ALL	634566.2	4271752	4.13E-08	1YrCancerD	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	ALL	634606.2	4271752	4.08E-08	1YrCancerD	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	ALL	634646.2	4271752	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	ALL	634686.2	4271752	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	ALL	634726.2	4271752	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	ALL	634766.2	4271752	4.23E-08	1YrCancerD	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	ALL	634806.2	4271752	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	ALL	635166.2	4271752	8.63E-08	1YrCancerD	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	ALL	635206.2	4271752	1.00E-07	1YrCancerD	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	ALL	635246.2	4271752	1.17E-07	1YrCancerD	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	ALL	635286.2	4271752	1.36E-07	1YrCancerD	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2199	ALL	635326.2	4271752	1.62E-07	1YrCancerD	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	ALL	635366.2	4271752	1.98E-07	1YrCancerD	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	ALL	635406.2	4271752	2.57E-07	1YrCancerD	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	ALL	635446.2	4271752	3.65E-07	1YrCancerD	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	ALL	638046.2	4271752	1.65E-07	1YrCancerD	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	ALL	638086.2	4271752	7.03E-08	1YrCancerD	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	ALL	638126.2	4271752	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	ALL	638166.2	4271752	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	ALL	633726.2	4271792	1.81E-07	1YrCancerD	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	ALL	634406.2	4271792	7.12E-08	1YrCancerD	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	ALL	634446.2	4271792	6.43E-08	1YrCancerD	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	ALL	634486.2	4271792	5.93E-08	1YrCancerD	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	ALL	634526.2	4271792	5.56E-08	1YrCancerD	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	ALL	634566.2	4271792	5.31E-08	1YrCancerD	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	ALL	634606.2	4271792	5.13E-08	1YrCancerD	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	ALL	634646.2	4271792	5.02E-08	1YrCancerD	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	ALL	634686.2	4271792	4.95E-08	1YrCancerD	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	ALL	634726.2	4271792	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	ALL	634766.2	4271792	4.98E-08	1YrCancerD	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	ALL	634806.2	4271792	5.08E-08	1YrCancerD	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	ALL	634846.2	4271792	5.23E-08	1YrCancerD	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	ALL	635046.2	4271792	7.11E-08	1YrCancerD	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	ALL	635086.2	4271792	7.85E-08	1YrCancerD	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	ALL	635206.2	4271792	1.20E-07	1YrCancerD	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	ALL	635246.2	4271792	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	ALL	635286.2	4271792	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	ALL	635326.2	4271792	2.07E-07	1YrCancerD	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	ALL	635366.2	4271792	2.68E-07	1YrCancerD	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	ALL	635406.2	4271792	3.90E-07	1YrCancerD	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	ALL	638046.2	4271792	1.61E-07	1YrCancerD	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	ALL	638086.2	4271792	6.98E-08	1YrCancerD	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	ALL	638126.2	4271792	4.58E-08	1YrCancerD	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	ALL	638166.2	4271792	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	ALL	638206.2	4271792	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	ALL	638246.2	4271792	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	ALL	638286.2	4271792	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	ALL	638326.2	4271792	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	ALL	638366.2	4271792	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	ALL	634686.2	4271832	6.98E-08	1YrCancerD	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	ALL	634726.2	4271832	6.68E-08	1YrCancerD	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	ALL	634766.2	4271832	6.51E-08	1YrCancerD	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	ALL	634806.2	4271832	6.45E-08	1YrCancerD	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	ALL	634846.2	4271832	6.50E-08	1YrCancerD	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	ALL	635006.2	4271832	7.74E-08	1YrCancerD	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2243	ALL	635046.2	4271832	8.38E-08	1YrCancerD	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	ALL	635126.2	4271832	1.06E-07	1YrCancerD	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	ALL	635166.2	4271832	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	ALL	635206.2	4271832	1.48E-07	1YrCancerD	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2247	ALL	635246.2	4271832	1.76E-07	1YrCancerD	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	ALL	635286.2	4271832	2.15E-07	1YrCancerD	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2249	ALL	635326.2	4271832	2.76E-07	1YrCancerD	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	ALL	635366.2	4271832	3.96E-07	1YrCancerD	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	ALL	638126.2	4271832	4.57E-08	1YrCancerD	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	ALL	638166.2	4271832	3.46E-08	1YrCancerD	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	ALL	638206.2	4271832	2.78E-08	1YrCancerD	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	ALL	638246.2	4271832	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	ALL	638286.2	4271832	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2256	ALL	638326.2	4271832	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	ALL	638366.2	4271832	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	ALL	635006.2	4271872	9.84E-08	1YrCancerD	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	ALL	635046.2	4271872	1.04E-07	1YrCancerD	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	ALL	635086.2	4271872	1.15E-07	1YrCancerD	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	ALL	635126.2	4271872	1.30E-07	1YrCancerD	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	ALL	635166.2	4271872	1.55E-07	1YrCancerD	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	ALL	635206.2	4271872	1.86E-07	1YrCancerD	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	ALL	635246.2	4271872	2.26E-07	1YrCancerD	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	ALL	635286.2	4271872	2.88E-07	1YrCancerD	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	ALL	635326.2	4271872	4.08E-07	1YrCancerD	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	ALL	638126.2	4271872	4.55E-08	1YrCancerD	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	ALL	638166.2	4271872	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	ALL	638206.2	4271872	2.76E-08	1YrCancerD	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	ALL	638246.2	4271872	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	ALL	638286.2	4271872	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	ALL	638326.2	4271872	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	ALL	638366.2	4271872	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	ALL	635046.2	4271912	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	ALL	635086.2	4271912	1.51E-07	1YrCancerD	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	ALL	635126.2	4271912	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	ALL	635166.2	4271912	2.03E-07	1YrCancerD	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	ALL	635206.2	4271912	2.46E-07	1YrCancerD	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	ALL	635246.2	4271912	3.07E-07	1YrCancerD	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	ALL	635286.2	4271912	4.22E-07	1YrCancerD	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	ALL	638126.2	4271912	4.53E-08	1YrCancerD	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	ALL	638166.2	4271912	3.42E-08	1YrCancerD	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	ALL	638206.2	4271912	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	ALL	638246.2	4271912	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	ALL	638286.2	4271912	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	ALL	638326.2	4271912	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2287	ALL	638366.2	4271912	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	ALL	635126.2	4271952	2.36E-07	1YrCancerD	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	ALL	635166.2	4271952	2.81E-07	1YrCancerD	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	ALL	635206.2	4271952	3.41E-07	1YrCancerD	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	ALL	635246.2	4271952	4.53E-07	1YrCancerD	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	ALL	638206.2	4271952	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	ALL	638246.2	4271952	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294	ALL	638286.2	4271952	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	ALL	638326.2	4271952	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	ALL	638366.2	4271952	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	ALL	635166.2	4271992	4.27E-07	1YrCancerD	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	ALL	635206.2	4271992	5.16E-07	1YrCancerD	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	ALL	638046.2	4271992	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	ALL	638086.2	4271992	6.74E-08	1YrCancerD	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	ALL	638126.2	4271992	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	ALL	638166.2	4271992	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	ALL	638206.2	4271992	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	ALL	638246.2	4271992	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	ALL	638286.2	4271992	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	ALL	638326.2	4271992	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	ALL	638366.2	4271992	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	ALL	638046.2	4272032	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	ALL	638086.2	4272032	6.69E-08	1YrCancerD	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	ALL	638126.2	4272032	4.44E-08	1YrCancerD	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	ALL	638166.2	4272032	3.31E-08	1YrCancerD	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	ALL	638206.2	4272032	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	ALL	638246.2	4272032	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	ALL	638286.2	4272032	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	ALL	638326.2	4272032	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	ALL	638366.2	4272032	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	ALL	638046.2	4272072	1.40E-07	1YrCancerD	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	ALL	638086.2	4272072	6.64E-08	1YrCancerD	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	ALL	638126.2	4272072	4.39E-08	1YrCancerD	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	ALL	638166.2	4272072	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	ALL	638206.2	4272072	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	ALL	638246.2	4272072	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	ALL	638286.2	4272072	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	ALL	638326.2	4272072	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	ALL	638366.2	4272072	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	ALL	633966.2	4272112	1.82E-07	1YrCancerD	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	ALL	638046.2	4272112	1.38E-07	1YrCancerD	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	ALL	638086.2	4272112	6.58E-08	1YrCancerD	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	ALL	638126.2	4272112	4.32E-08	1YrCancerD	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	ALL	638286.2	4272112	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2331	ALL	638326.2	4272112	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	ALL	638366.2	4272112	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	ALL	638286.2	4272152	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	ALL	638326.2	4272152	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	ALL	638366.2	4272152	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	ALL	638286.2	4272192	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	ALL	638326.2	4272192	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	ALL	638366.2	4272192	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	ALL	634966.2	4272232	3.38E-07	1YrCancerD	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	ALL	638286.2	4272232	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	ALL	638326.2	4272232	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	ALL	638366.2	4272232	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	ALL	634966.2	4272272	3.48E-07	1YrCancerD	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	ALL	638286.2	4272272	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	ALL	638326.2	4272272	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	ALL	638366.2	4272272	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	ALL	634926.2	4272312	2.27E-07	1YrCancerD	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	ALL	634966.2	4272312	3.51E-07	1YrCancerD	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	ALL	638286.2	4272312	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2350	ALL	638326.2	4272312	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351	ALL	638366.2	4272312	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	ALL	638126.2	4272392	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	ALL	638166.2	4272392	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2354	ALL	638206.2	4272392	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	ALL	638246.2	4272392	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	ALL	638286.2	4272392	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	ALL	638326.2	4272392	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	ALL	638366.2	4272392	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	ALL	638126.2	4272432	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	ALL	638166.2	4272432	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	ALL	638206.2	4272432	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	ALL	638246.2	4272432	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	ALL	638286.2	4272432	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	ALL	638326.2	4272432	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	ALL	638366.2	4272432	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	ALL	638126.2	4272472	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	ALL	638166.2	4272472	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	ALL	638206.2	4272472	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	ALL	638246.2	4272472	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	ALL	638286.2	4272472	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	ALL	638326.2	4272472	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	ALL	638366.2	4272472	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	ALL	638126.2	4272512	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	ALL	638166.2	4272512	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2375	ALL	638206.2	4272512	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376	ALL	638246.2	4272512	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377	ALL	638286.2	4272512	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378	ALL	638326.2	4272512	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379	ALL	638366.2	4272512	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380	ALL	638126.2	4272552	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381	ALL	638166.2	4272552	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382	ALL	638206.2	4272552	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383	ALL	638246.2	4272552	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384	ALL	638326.2	4272552	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385	ALL	638366.2	4272552	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386	ALL	638046.2	4272592	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387	ALL	638086.2	4272592	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388	ALL	638126.2	4272592	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389	ALL	638166.2	4272592	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390	ALL	638206.2	4272592	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391	ALL	638246.2	4272592	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392	ALL	638326.2	4272592	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393	ALL	638366.2	4272592	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394	ALL	638046.2	4272632	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395	ALL	638086.2	4272632	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396	ALL	638126.2	4272632	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397	ALL	638166.2	4272632	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398	ALL	638206.2	4272632	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399	ALL	638246.2	4272632	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	ALL	638326.2	4272632	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	ALL	638366.2	4272632	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	ALL	638046.2	4272672	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	ALL	638086.2	4272672	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	ALL	638126.2	4272672	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	ALL	638166.2	4272672	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	ALL	638206.2	4272672	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	ALL	638246.2	4272672	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	ALL	638326.2	4272672	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	ALL	638366.2	4272672	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	ALL	638046.2	4272712	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	ALL	638086.2	4272712	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	ALL	638126.2	4272712	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	ALL	638166.2	4272712	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	ALL	638206.2	4272712	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	ALL	638246.2	4272712	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	ALL	638326.2	4272712	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	ALL	638366.2	4272712	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	ALL	638046.2	4272752	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2419	ALL	638086.2	4272752	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	ALL	638126.2	4272752	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	ALL	638166.2	4272752	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	ALL	638206.2	4272752	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	ALL	638246.2	4272752	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	ALL	638326.2	4272752	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	ALL	638366.2	4272752	9.90E-09	1YrCancerD	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	ALL	638206.2	4272792	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427	ALL	638246.2	4272792	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	ALL	638326.2	4272792	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429	ALL	638366.2	4272792	9.68E-09	1YrCancerD	9.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	ALL	638206.2	4272832	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	ALL	638246.2	4272832	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	ALL	638326.2	4272832	9.97E-09	1YrCancerD	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	ALL	638366.2	4272832	9.45E-09	1YrCancerD	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	ALL	638246.2	4272872	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	ALL	638326.2	4272872	9.69E-09	1YrCancerD	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	ALL	638366.2	4272872	9.22E-09	1YrCancerD	9.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	ALL	638246.2	4272912	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	ALL	638326.2	4272912	9.42E-09	1YrCancerD	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	ALL	638366.2	4272912	8.99E-09	1YrCancerD	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	ALL	638246.2	4272952	9.97E-09	1YrCancerD	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	ALL	638326.2	4272952	9.17E-09	1YrCancerD	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	ALL	638366.2	4272952	8.78E-09	1YrCancerD	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	ALL	638126.2	4272992	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2444	ALL	638166.2	4272992	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	ALL	638206.2	4272992	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	ALL	638246.2	4272992	9.67E-09	1YrCancerD	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	ALL	638326.2	4272992	8.93E-09	1YrCancerD	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	ALL	638366.2	4272992	8.57E-09	1YrCancerD	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449	ALL	638046.2	4273032	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	ALL	638086.2	4273032	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	ALL	638126.2	4273032	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	ALL	638166.2	4273032	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	ALL	638206.2	4273032	9.75E-09	1YrCancerD	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	ALL	638246.2	4273032	9.39E-09	1YrCancerD	9.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	ALL	638326.2	4273032	8.71E-09	1YrCancerD	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	ALL	638366.2	4273032	8.38E-09	1YrCancerD	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	ALL	638046.2	4273072	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458	ALL	638086.2	4273072	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	ALL	638126.2	4273072	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	ALL	638166.2	4273072	9.80E-09	1YrCancerD	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2461	ALL	638206.2	4273072	9.47E-09	1YrCancerD	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	ALL	638246.2	4273072	9.13E-09	1YrCancerD	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2463	ALL	638326.2	4273072	8.51E-09	1YrCancerD	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	ALL	638366.2	4273072	8.20E-09	1YrCancerD	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	ALL	635886.2	4273112	1.58E-07	1YrCancerD	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	ALL	635926.2	4273112	1.30E-07	1YrCancerD	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	ALL	635966.2	4273112	1.19E-07	1YrCancerD	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	ALL	636006.2	4273112	1.11E-07	1YrCancerD	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	ALL	636046.2	4273112	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	ALL	636086.2	4273112	9.68E-08	1YrCancerD	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	ALL	636126.2	4273112	9.11E-08	1YrCancerD	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	ALL	636166.2	4273112	8.60E-08	1YrCancerD	8.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	ALL	636206.2	4273112	8.14E-08	1YrCancerD	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	ALL	636246.2	4273112	7.74E-08	1YrCancerD	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	ALL	636286.2	4273112	7.39E-08	1YrCancerD	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	ALL	636326.2	4273112	7.11E-08	1YrCancerD	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	ALL	637366.2	4273112	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	ALL	638046.2	4273112	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	ALL	638086.2	4273112	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	ALL	638126.2	4273112	9.88E-09	1YrCancerD	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	ALL	638166.2	4273112	9.54E-09	1YrCancerD	9.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	ALL	638206.2	4273112	9.22E-09	1YrCancerD	9.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	ALL	638246.2	4273112	8.90E-09	1YrCancerD	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	ALL	638326.2	4273112	8.32E-09	1YrCancerD	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	ALL	638366.2	4273112	8.03E-09	1YrCancerD	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	ALL	635806.2	4273152	1.13E-07	1YrCancerD	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	ALL	635846.2	4273152	9.24E-08	1YrCancerD	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	ALL	635886.2	4273152	7.90E-08	1YrCancerD	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	ALL	635926.2	4273152	7.16E-08	1YrCancerD	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	ALL	635966.2	4273152	6.77E-08	1YrCancerD	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	ALL	636006.2	4273152	6.48E-08	1YrCancerD	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	ALL	636046.2	4273152	6.22E-08	1YrCancerD	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	ALL	636086.2	4273152	5.98E-08	1YrCancerD	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	ALL	636126.2	4273152	5.75E-08	1YrCancerD	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	ALL	636166.2	4273152	5.55E-08	1YrCancerD	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	ALL	636206.2	4273152	5.35E-08	1YrCancerD	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	ALL	636246.2	4273152	5.18E-08	1YrCancerD	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	ALL	636286.2	4273152	5.01E-08	1YrCancerD	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	ALL	636326.2	4273152	4.87E-08	1YrCancerD	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	ALL	635726.2	4273192	9.51E-08	1YrCancerD	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	ALL	635766.2	4273192	8.01E-08	1YrCancerD	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	ALL	635806.2	4273192	7.01E-08	1YrCancerD	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	ALL	635846.2	4273192	6.26E-08	1YrCancerD	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	ALL	635886.2	4273192	5.71E-08	1YrCancerD	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	ALL	635926.2	4273192	5.32E-08	1YrCancerD	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	ALL	635966.2	4273192	5.07E-08	1YrCancerD	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2507	ALL	636006.2	4273192	4.89E-08	1YrCancerD	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	ALL	636046.2	4273192	4.72E-08	1YrCancerD	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	ALL	636086.2	4273192	4.57E-08	1YrCancerD	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	ALL	636126.2	4273192	4.43E-08	1YrCancerD	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	ALL	636166.2	4273192	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	ALL	636206.2	4273192	4.18E-08	1YrCancerD	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	ALL	636246.2	4273192	4.06E-08	1YrCancerD	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	ALL	636286.2	4273192	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	ALL	636326.2	4273192	3.86E-08	1YrCancerD	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	ALL	635606.2	4273232	1.31E-07	1YrCancerD	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	ALL	635646.2	4273232	9.52E-08	1YrCancerD	9.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	ALL	635686.2	4273232	7.77E-08	1YrCancerD	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	ALL	635726.2	4273232	6.70E-08	1YrCancerD	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	ALL	635766.2	4273232	5.96E-08	1YrCancerD	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	ALL	635806.2	4273232	5.41E-08	1YrCancerD	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	ALL	635846.2	4273232	4.99E-08	1YrCancerD	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	ALL	635886.2	4273232	4.66E-08	1YrCancerD	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	ALL	635926.2	4273232	4.40E-08	1YrCancerD	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	ALL	635966.2	4273232	4.21E-08	1YrCancerD	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	ALL	636006.2	4273232	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	ALL	636046.2	4273232	3.94E-08	1YrCancerD	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	ALL	636086.2	4273232	3.83E-08	1YrCancerD	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	ALL	636126.2	4273232	3.72E-08	1YrCancerD	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	ALL	636166.2	4273232	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	ALL	636206.2	4273232	3.53E-08	1YrCancerD	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	ALL	636246.2	4273232	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	ALL	636286.2	4273232	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	ALL	636326.2	4273232	3.28E-08	1YrCancerD	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	ALL	636366.2	4273232	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	ALL	635606.2	4273272	9.99E-08	1YrCancerD	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	ALL	635646.2	4273272	7.35E-08	1YrCancerD	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2538	ALL	635686.2	4273272	6.16E-08	1YrCancerD	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	ALL	635726.2	4273272	5.44E-08	1YrCancerD	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	ALL	635766.2	4273272	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	ALL	635806.2	4273272	4.56E-08	1YrCancerD	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	ALL	635846.2	4273272	4.26E-08	1YrCancerD	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	ALL	635886.2	4273272	4.03E-08	1YrCancerD	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	ALL	635926.2	4273272	3.84E-08	1YrCancerD	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	ALL	635966.2	4273272	3.68E-08	1YrCancerD	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	ALL	636006.2	4273272	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	ALL	636046.2	4273272	3.45E-08	1YrCancerD	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	ALL	636086.2	4273272	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	ALL	636126.2	4273272	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	ALL	636166.2	4273272	3.19E-08	1YrCancerD	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2551	ALL	636206.2	4273272	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	ALL	636246.2	4273272	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	ALL	636286.2	4273272	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	ALL	636326.2	4273272	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	ALL	636366.2	4273272	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	ALL	636406.2	4273272	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	ALL	635646.2	4273312	6.14E-08	1YrCancerD	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	ALL	635686.2	4273312	5.24E-08	1YrCancerD	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	ALL	635726.2	4273312	4.70E-08	1YrCancerD	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	ALL	635766.2	4273312	4.31E-08	1YrCancerD	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	ALL	635806.2	4273312	4.02E-08	1YrCancerD	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	ALL	635846.2	4273312	3.79E-08	1YrCancerD	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	ALL	635886.2	4273312	3.60E-08	1YrCancerD	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	ALL	635926.2	4273312	3.45E-08	1YrCancerD	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	ALL	635966.2	4273312	3.32E-08	1YrCancerD	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	ALL	636006.2	4273312	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	ALL	636046.2	4273312	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2568	ALL	636086.2	4273312	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	ALL	636126.2	4273312	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	ALL	636166.2	4273312	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	ALL	636206.2	4273312	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	ALL	636246.2	4273312	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	ALL	636286.2	4273312	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	ALL	636326.2	4273312	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	ALL	636366.2	4273312	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	ALL	636406.2	4273312	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	ALL	636446.2	4273312	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	ALL	636486.2	4273312	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	ALL	638206.2	4273312	8.21E-09	1YrCancerD	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	ALL	638246.2	4273312	7.95E-09	1YrCancerD	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	ALL	638286.2	4273312	7.72E-09	1YrCancerD	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	ALL	638326.2	4273312	7.49E-09	1YrCancerD	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	ALL	638366.2	4273312	7.28E-09	1YrCancerD	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	ALL	635686.2	4273352	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	ALL	635726.2	4273352	4.18E-08	1YrCancerD	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	ALL	635766.2	4273352	3.87E-08	1YrCancerD	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	ALL	635806.2	4273352	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	ALL	635846.2	4273352	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	ALL	635886.2	4273352	3.29E-08	1YrCancerD	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	ALL	635926.2	4273352	3.16E-08	1YrCancerD	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	ALL	635966.2	4273352	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	ALL	636006.2	4273352	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	ALL	636046.2	4273352	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	ALL	636086.2	4273352	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2595	ALL	636126.2	4273352	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	ALL	636166.2	4273352	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	ALL	636206.2	4273352	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	ALL	636246.2	4273352	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	ALL	636286.2	4273352	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	ALL	636326.2	4273352	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	ALL	636366.2	4273352	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	ALL	636406.2	4273352	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	ALL	636446.2	4273352	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	ALL	636486.2	4273352	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	ALL	636526.2	4273352	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	ALL	636566.2	4273352	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	ALL	636606.2	4273352	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	ALL	638206.2	4273352	8.06E-09	1YrCancerD	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	ALL	638246.2	4273352	7.81E-09	1YrCancerD	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	ALL	638286.2	4273352	7.58E-09	1YrCancerD	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	ALL	638326.2	4273352	7.36E-09	1YrCancerD	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	ALL	638366.2	4273352	7.15E-09	1YrCancerD	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	ALL	635766.2	4273392	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	ALL	635806.2	4273392	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	ALL	635846.2	4273392	3.18E-08	1YrCancerD	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	ALL	635886.2	4273392	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	ALL	635926.2	4273392	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	ALL	635966.2	4273392	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	ALL	636006.2	4273392	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	ALL	636046.2	4273392	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	ALL	636086.2	4273392	2.60E-08	1YrCancerD	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	ALL	636126.2	4273392	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	ALL	636166.2	4273392	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	ALL	636206.2	4273392	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	ALL	636246.2	4273392	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	ALL	636286.2	4273392	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	ALL	636326.2	4273392	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	ALL	636366.2	4273392	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	ALL	636406.2	4273392	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	ALL	636446.2	4273392	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	ALL	636486.2	4273392	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2632	ALL	636526.2	4273392	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	ALL	636566.2	4273392	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	ALL	636606.2	4273392	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	ALL	636646.2	4273392	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	ALL	635806.2	4273432	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	ALL	635846.2	4273432	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	ALL	635886.2	4273432	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2639	ALL	635926.2	4273432	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	ALL	635966.2	4273432	2.65E-08	1YrCancerD	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	ALL	636006.2	4273432	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	ALL	636046.2	4273432	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	ALL	636086.2	4273432	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	ALL	636126.2	4273432	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	ALL	636166.2	4273432	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	ALL	636206.2	4273432	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	ALL	636246.2	4273432	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	ALL	636286.2	4273432	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	ALL	636326.2	4273432	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	ALL	636366.2	4273432	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	ALL	636406.2	4273432	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	ALL	636446.2	4273432	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	ALL	636486.2	4273432	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	ALL	636526.2	4273432	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	ALL	636566.2	4273432	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	ALL	636606.2	4273432	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	ALL	636646.2	4273432	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	ALL	636686.2	4273432	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	ALL	638006.2	4273432	9.27E-09	1YrCancerD	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	ALL	638046.2	4273432	8.85E-09	1YrCancerD	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	ALL	638086.2	4273432	8.50E-09	1YrCancerD	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	ALL	638126.2	4273432	8.21E-09	1YrCancerD	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	ALL	638166.2	4273432	7.99E-09	1YrCancerD	7.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	ALL	638206.2	4273432	7.76E-09	1YrCancerD	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	ALL	638246.2	4273432	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	ALL	638286.2	4273432	7.31E-09	1YrCancerD	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	ALL	638326.2	4273432	7.09E-09	1YrCancerD	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	ALL	638366.2	4273432	6.91E-09	1YrCancerD	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	ALL	635846.2	4273472	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	ALL	635886.2	4273472	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	ALL	635926.2	4273472	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	ALL	635966.2	4273472	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	ALL	636006.2	4273472	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	ALL	636046.2	4273472	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2675	ALL	636086.2	4273472	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	ALL	636126.2	4273472	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	ALL	636166.2	4273472	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	ALL	636206.2	4273472	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	ALL	636246.2	4273472	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	ALL	636286.2	4273472	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	ALL	636326.2	4273472	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	ALL	636366.2	4273472	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2683	ALL	636406.2	4273472	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	ALL	636446.2	4273472	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	ALL	636606.2	4273472	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	ALL	636646.2	4273472	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	ALL	636686.2	4273472	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	ALL	636726.2	4273472	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	ALL	637606.2	4273472	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	ALL	637646.2	4273472	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	ALL	637686.2	4273472	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	ALL	637726.2	4273472	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	ALL	637766.2	4273472	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	ALL	638006.2	4273472	9.02E-09	1YrCancerD	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	ALL	638046.2	4273472	8.64E-09	1YrCancerD	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	ALL	638086.2	4273472	8.31E-09	1YrCancerD	8.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	ALL	638126.2	4273472	8.04E-09	1YrCancerD	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	ALL	638166.2	4273472	7.85E-09	1YrCancerD	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2699	ALL	638206.2	4273472	7.62E-09	1YrCancerD	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	ALL	638246.2	4273472	7.39E-09	1YrCancerD	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	ALL	638286.2	4273472	7.17E-09	1YrCancerD	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	ALL	638326.2	4273472	6.97E-09	1YrCancerD	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	ALL	638366.2	4273472	6.79E-09	1YrCancerD	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	ALL	635926.2	4273512	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	ALL	635966.2	4273512	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	ALL	636006.2	4273512	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	ALL	636046.2	4273512	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	ALL	636086.2	4273512	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	ALL	636126.2	4273512	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	ALL	636166.2	4273512	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	ALL	636206.2	4273512	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	ALL	636246.2	4273512	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	ALL	636286.2	4273512	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	ALL	636326.2	4273512	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	ALL	636366.2	4273512	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	ALL	636646.2	4273512	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	ALL	636686.2	4273512	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	ALL	636726.2	4273512	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	ALL	637606.2	4273512	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	ALL	637646.2	4273512	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	ALL	637686.2	4273512	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	ALL	637726.2	4273512	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	ALL	637766.2	4273512	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	ALL	638006.2	4273512	8.79E-09	1YrCancerD	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	ALL	638046.2	4273512	8.42E-09	1YrCancerD	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2726	ALL	638086.2	4273512	8.13E-09	1YrCancerD	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2727	ALL	638126.2	4273512	7.88E-09	1YrCancerD	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	ALL	638166.2	4273512	7.70E-09	1YrCancerD	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	ALL	638206.2	4273512	7.48E-09	1YrCancerD	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	ALL	638246.2	4273512	7.26E-09	1YrCancerD	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	ALL	638286.2	4273512	7.05E-09	1YrCancerD	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	ALL	638326.2	4273512	6.85E-09	1YrCancerD	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	ALL	638366.2	4273512	6.69E-09	1YrCancerD	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	ALL	636006.2	4273552	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	ALL	636046.2	4273552	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	ALL	636086.2	4273552	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	ALL	636126.2	4273552	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	ALL	636166.2	4273552	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	ALL	636206.2	4273552	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	ALL	636246.2	4273552	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	ALL	636286.2	4273552	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	ALL	636326.2	4273552	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	ALL	636606.2	4273552	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744	ALL	636646.2	4273552	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	ALL	636686.2	4273552	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	ALL	637606.2	4273552	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	ALL	637646.2	4273552	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	ALL	637686.2	4273552	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749	ALL	637726.2	4273552	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	ALL	637766.2	4273552	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	ALL	637806.2	4273552	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	ALL	637846.2	4273552	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	ALL	637886.2	4273552	9.71E-09	1YrCancerD	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	ALL	638006.2	4273552	8.55E-09	1YrCancerD	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	ALL	638046.2	4273552	8.22E-09	1YrCancerD	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	ALL	638086.2	4273552	7.95E-09	1YrCancerD	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	ALL	638126.2	4273552	7.71E-09	1YrCancerD	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	ALL	638166.2	4273552	7.55E-09	1YrCancerD	7.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	ALL	638206.2	4273552	7.34E-09	1YrCancerD	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	ALL	638246.2	4273552	7.13E-09	1YrCancerD	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	ALL	638286.2	4273552	6.92E-09	1YrCancerD	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	ALL	638326.2	4273552	6.75E-09	1YrCancerD	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	ALL	638366.2	4273552	6.59E-09	1YrCancerD	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	ALL	636086.2	4273592	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	ALL	636126.2	4273592	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	ALL	636166.2	4273592	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	ALL	636206.2	4273592	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	ALL	636246.2	4273592	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	ALL	636286.2	4273592	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	ALL	636606.2	4273592	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2771	ALL	636646.2	4273592	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	ALL	636126.2	4273632	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	ALL	636166.2	4273632	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	ALL	636206.2	4273632	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	ALL	636246.2	4273632	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	ALL	636286.2	4273632	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	ALL	637060.5	4271428	1.66E-07	1YrCancerD	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	ALL	637144.2	4271358	2.57E-07	1YrCancerD	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779	ALL	637162.3	4271343	2.33E-07	1YrCancerD	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	ALL	637135.1	4271307	1.72E-07	1YrCancerD	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	ALL	637139.6	4271298	2.43E-07	1YrCancerD	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2782	ALL	637089.7	4271237	2.27E-07	1YrCancerD	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	ALL	637081.2	4271244	2.33E-07	1YrCancerD	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	ALL	637067.6	4271230	2.09E-07	1YrCancerD	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	ALL	637059.8	4271239	2.47E-07	1YrCancerD	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	ALL	637073.4	4271250	2.45E-07	1YrCancerD	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787	ALL	637066.3	4271259	1.72E-07	1YrCancerD	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	ALL	637118.9	4271320	2.05E-07	1YrCancerD	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789	ALL	637127.9	4271314	2.81E-07	1YrCancerD	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	ALL	637148.7	4271344	3.36E-07	1YrCancerD	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	ALL	637056.6	4271416	1.75E-07	1YrCancerD	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	ALL	637022.2	4271432	1.86E-07	1YrCancerD	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	ALL	636978.7	4271446	1.46E-07	1YrCancerD	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	ALL	636956	4271450	1.43E-07	1YrCancerD	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	ALL	636917.7	4271450	1.54E-07	1YrCancerD	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	ALL	636833.3	4271442	1.54E-07	1YrCancerD	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	ALL	636745.1	4271434	1.34E-07	1YrCancerD	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	ALL	636680.8	4271428	1.00E-07	1YrCancerD	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799	ALL	636581.4	4271418	1.48E-07	1YrCancerD	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	ALL	636489.3	4271410	1.46E-07	1YrCancerD	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	ALL	636414.7	4271412	1.41E-07	1YrCancerD	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	ALL	636354.7	4271415	1.47E-07	1YrCancerD	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	ALL	636300.6	4271426	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	ALL	636223.1	4271438	1.46E-07	1YrCancerD	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	ALL	636094.4	4271457	1.73E-07	1YrCancerD	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	ALL	636012.5	4271475	1.73E-07	1YrCancerD	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	ALL	635929.3	4271499	1.32E-07	1YrCancerD	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	ALL	635832.8	4271537	1.89E-07	1YrCancerD	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	ALL	635781.6	4271559	1.67E-07	1YrCancerD	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	ALL	635723.1	4271595	2.55E-07	1YrCancerD	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	ALL	635651.4	4271654	3.38E-07	1YrCancerD	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	ALL	635569.5	4271717	1.02E-06	1YrCancerD	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	ALL	635497.9	4271763	9.66E-07	1YrCancerD	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	ALL	635436.4	4271813	9.44E-07	1YrCancerD	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2815	ALL	635348.7	4271899	9.31E-07	1YrCancerD	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	ALL	635268.2	4271978	9.39E-07	1YrCancerD	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	ALL	635193.6	4272049	1.25E-06	1YrCancerD	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	ALL	635154.1	4272082	1.66E-06	1YrCancerD	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	ALL	635102.9	4272027	4.41E-07	1YrCancerD	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2820	ALL	635079.5	4272063	4.57E-07	1YrCancerD	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	ALL	635082.5	4272094	7.07E-07	1YrCancerD	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	ALL	635098.5	4272123	1.54E-06	1YrCancerD	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	ALL	634974.2	4272202	3.47E-07	1YrCancerD	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	ALL	634974.2	4272285	3.91E-07	1YrCancerD	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	ALL	634930.3	4272331	2.51E-07	1YrCancerD	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	ALL	634921.6	4272321	2.40E-07	1YrCancerD	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	ALL	634928.9	4272305	2.18E-07	1YrCancerD	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	ALL	634934.7	4272290	2.13E-07	1YrCancerD	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	ALL	634931.8	4272284	1.98E-07	1YrCancerD	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	ALL	634917.2	4272306	1.91E-07	1YrCancerD	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	ALL	634904	4272329	2.36E-07	1YrCancerD	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	ALL	634871.5	4272349	1.78E-07	1YrCancerD	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	ALL	634810	4272378	1.48E-07	1YrCancerD	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	ALL	634769.1	4272390	1.34E-07	1YrCancerD	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	ALL	634694.5	4272382	1.17E-07	1YrCancerD	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	ALL	634631.6	4272373	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	ALL	634552.6	4272366	1.14E-07	1YrCancerD	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	ALL	634441.4	4272325	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	ALL	634296.6	4272265	8.90E-08	1YrCancerD	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	ALL	634129.9	4272188	1.11E-07	1YrCancerD	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	ALL	634042.1	4272147	1.13E-07	1YrCancerD	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	ALL	633982.4	4272112	1.41E-07	1YrCancerD	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	ALL	633962.5	4272091	1.59E-07	1YrCancerD	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	ALL	633951.3	4272065	2.02E-07	1YrCancerD	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	ALL	633941.4	4272028	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	ALL	633933.9	4272002	1.63E-07	1YrCancerD	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	ALL	633921.5	4271976	1.23E-07	1YrCancerD	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	ALL	633901.6	4271956	1.37E-07	1YrCancerD	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	ALL	633868	4271941	1.09E-07	1YrCancerD	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	ALL	633827	4271932	1.48E-07	1YrCancerD	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	ALL	633808.3	4271923	1.85E-07	1YrCancerD	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	ALL	633788.4	4271908	1.64E-07	1YrCancerD	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	ALL	633774.8	4271891	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	ALL	633753.6	4271828	1.45E-07	1YrCancerD	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	ALL	633710.1	4271691	2.15E-07	1YrCancerD	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	ALL	633693.3	4271700	1.65E-07	1YrCancerD	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	ALL	633765.1	4271899	1.70E-07	1YrCancerD	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	ALL	633786.5	4271929	1.54E-07	1YrCancerD	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2859	ALL	633803.3	4271938	1.49E-07	1YrCancerD	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860	ALL	633831.6	4271943	1.23E-07	1YrCancerD	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861	ALL	633860.6	4271947	1.27E-07	1YrCancerD	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862	ALL	633881.9	4271953	9.90E-08	1YrCancerD	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863	ALL	633908.7	4271973	1.14E-07	1YrCancerD	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864	ALL	633921.7	4271994	1.37E-07	1YrCancerD	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865	ALL	633931.6	4272031	1.66E-07	1YrCancerD	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866	ALL	633937.7	4272053	1.74E-07	1YrCancerD	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867	ALL	633918.6	4272053	1.15E-07	1YrCancerD	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868	ALL	633911.7	4272097	6.87E-08	1YrCancerD	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869	ALL	633956	4272101	1.55E-07	1YrCancerD	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870	ALL	634007.9	4272137	1.37E-07	1YrCancerD	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871	ALL	634056.8	4272161	9.93E-08	1YrCancerD	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872	ALL	634114.1	4272190	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873	ALL	634214.9	4272236	1.19E-07	1YrCancerD	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874	ALL	634313.7	4272280	1.20E-07	1YrCancerD	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875	ALL	634496.1	4272359	1.79E-07	1YrCancerD	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876	ALL	634555.3	4272375	1.31E-07	1YrCancerD	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877	ALL	634638	4272385	1.62E-07	1YrCancerD	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878	ALL	634746.7	4272396	1.33E-07	1YrCancerD	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879	ALL	634773.2	4272395	1.75E-07	1YrCancerD	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880	ALL	634790.1	4272394	1.77E-07	1YrCancerD	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881	ALL	634810.9	4272389	1.47E-07	1YrCancerD	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882	ALL	634828.4	4272381	1.60E-07	1YrCancerD	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883	ALL	634845.9	4272371	2.13E-07	1YrCancerD	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884	ALL	634857.6	4272363	1.76E-07	1YrCancerD	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885	ALL	634873.2	4272356	1.82E-07	1YrCancerD	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886	ALL	634888.1	4272350	1.88E-07	1YrCancerD	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887	ALL	634923.2	4272339	1.99E-07	1YrCancerD	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888	ALL	634929	4272338	2.35E-07	1YrCancerD	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2889	ALL	634948.5	4272324	2.81E-07	1YrCancerD	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890	ALL	634975.1	4272301	3.39E-07	1YrCancerD	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891	ALL	634991.3	4272270	6.19E-07	1YrCancerD	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892	ALL	635047.8	4272254	1.22E-06	1YrCancerD	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893	ALL	635110.7	4272224	1.36E-06	1YrCancerD	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894	ALL	635172.2	4272170	1.49E-06	1YrCancerD	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895	ALL	635251.2	4272096	1.31E-06	1YrCancerD	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896	ALL	635343.3	4272006	1.15E-06	1YrCancerD	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897	ALL	635421.9	4271924	1.19E-06	1YrCancerD	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898	ALL	635515.5	4271825	1.22E-06	1YrCancerD	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899	ALL	635571.1	4271790	1.09E-06	1YrCancerD	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900	ALL	635606.2	4271772	6.56E-07	1YrCancerD	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901	ALL	635606.2	4271733	1.02E-06	1YrCancerD	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902	ALL	635629.6	4271717	3.81E-07	1YrCancerD	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2903	ALL	635620.9	4271693	4.31E-07	1YrCancerD	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	ALL	635689.4	4271635	3.42E-07	1YrCancerD	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	ALL	635729.6	4271600	3.63E-07	1YrCancerD	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	ALL	635767.6	4271576	2.08E-07	1YrCancerD	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	ALL	635798.4	4271561	3.27E-07	1YrCancerD	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	ALL	635851.6	4271538	2.40E-07	1YrCancerD	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	ALL	635882.7	4271524	2.46E-07	1YrCancerD	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	ALL	635911.8	4271512	1.67E-07	1YrCancerD	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	ALL	635954.5	4271499	1.70E-07	1YrCancerD	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	ALL	636030.9	4271478	1.61E-07	1YrCancerD	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	ALL	636077.5	4271468	1.62E-07	1YrCancerD	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2914	ALL	636174.5	4271456	1.39E-07	1YrCancerD	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	ALL	636228.7	4271448	2.07E-07	1YrCancerD	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	ALL	636300.5	4271434	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	ALL	636374.6	4271422	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	ALL	636470.9	4271418	1.63E-07	1YrCancerD	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	ALL	636535	4271420	1.39E-07	1YrCancerD	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	ALL	636617.5	4271428	1.40E-07	1YrCancerD	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	ALL	636772.2	4271443	2.19E-07	1YrCancerD	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	ALL	636825	4271449	1.53E-07	1YrCancerD	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	ALL	636866.2	4271452	1.61E-07	1YrCancerD	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	ALL	636909.6	4271457	1.50E-07	1YrCancerD	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	ALL	636940.2	4271459	2.15E-07	1YrCancerD	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	ALL	636961.4	4271458	1.47E-07	1YrCancerD	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	ALL	637012.1	4271446	1.53E-07	1YrCancerD	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEV	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		636726.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2	ALL		636766.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
3	ALL		637006.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
4	ALL		637046.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
5	ALL		637086.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
6	ALL		637126.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
7	ALL		637166.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
8	ALL		637206.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
9	ALL		637246.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
10	ALL		637286.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
11	ALL		637326.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
12	ALL		636766.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
13	ALL		637006.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
14	ALL		637046.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
15	ALL		637086.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
16	ALL		637126.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
17	ALL		637166.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
18	ALL		637206.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
19	ALL		637246.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
20	ALL		637286.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
21	ALL		637326.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
22	ALL		636686.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
23	ALL		637006.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
24	ALL		637046.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
25	ALL		637086.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
26	ALL		637126.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
27	ALL		637166.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
28	ALL		637206.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
29	ALL		637246.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
30	ALL		637286.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
31	ALL		637326.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
32	ALL		636686.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
33	ALL		636726.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
34	ALL		636766.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
35	ALL		637046.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
36	ALL		637246.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
37	ALL		637286.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
38	ALL		637326.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
39	ALL		636686.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
40	ALL		636726.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
41	ALL		636766.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
42	ALL		636806.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
43	ALL		637006.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
44	ALL		637086.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
45	ALL		637126.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
46	ALL		637166.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
47	ALL		637286.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
48	ALL		637326.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
49	ALL		637646.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
50	ALL		637686.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
51	ALL		637726.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
52	ALL		637766.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
53	ALL		637806.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
54	ALL		636686.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
55	ALL		636726.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
56	ALL		636766.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
57	ALL		636806.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
58	ALL		636846.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
59	ALL		637046.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
60	ALL		637086.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
61	ALL		637126.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
62	ALL		637166.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
63	ALL		637286.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
64	ALL		637326.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
65	ALL		637646.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
66	ALL		637686.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
67	ALL		637726.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
68	ALL		637766.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
69	ALL		637806.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
70	ALL		636526.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
71	ALL		636566.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
72	ALL		636686.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
73	ALL		636726.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
74	ALL		636766.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
75	ALL		636806.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
76	ALL		636846.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
77	ALL		636966.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
78	ALL		637006.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
79	ALL		637046.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
80	ALL		637086.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
81	ALL		637126.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
82	ALL		637166.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
83	ALL		637206.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
84	ALL		637246.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
85	ALL		637286.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
86	ALL		637326.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
87	ALL		637646.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
88	ALL		637686.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
89	ALL		637726.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
90	ALL		637766.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
91	ALL		637806.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
92	ALL		636566.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
93	ALL		636686.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
94	ALL		636726.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
95	ALL		636766.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
96	ALL		636806.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
97	ALL		636846.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
98	ALL		637006.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05

99	ALL	637046.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
100	ALL	637086.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
101	ALL	637126.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
102	ALL	637166.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
103	ALL	637206.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
104	ALL	637246.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
105	ALL	637286.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
106	ALL	637646.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
107	ALL	637686.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
108	ALL	637726.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
109	ALL	637766.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
110	ALL	637806.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
111	ALL	636566.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
112	ALL	636646.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
113	ALL	636686.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
114	ALL	636726.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
115	ALL	636766.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
116	ALL	636806.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
117	ALL	637046.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
118	ALL	637086.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
119	ALL	637126.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
120	ALL	637166.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
121	ALL	637206.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
122	ALL	637246.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
123	ALL	637286.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
124	ALL	637606.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
125	ALL	637646.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
126	ALL	637686.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
127	ALL	637726.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
128	ALL	637766.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
129	ALL	637806.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
130	ALL	637086.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
131	ALL	637126.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
132	ALL	637166.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
133	ALL	637206.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
134	ALL	637246.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
135	ALL	637286.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
136	ALL	637606.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
137	ALL	637646.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
138	ALL	637686.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
139	ALL	637726.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
140	ALL	637766.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
141	ALL	637806.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
142	ALL	637846.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
143	ALL	636766.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
144	ALL	636806.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
145	ALL	637086.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
146	ALL	637126.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
147	ALL	637166.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
148	ALL	637206.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
149	ALL	637246.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
150	ALL	637286.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
151	ALL	637606.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
152	ALL	637646.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
153	ALL	637686.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
154	ALL	637766.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
155	ALL	637806.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
156	ALL	637846.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
157	ALL	633686.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
158	ALL	633726.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
159	ALL	633766.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
160	ALL	633806.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
161	ALL	633846.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
162	ALL	636246.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
163	ALL	636286.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
164	ALL	636326.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
165	ALL	636366.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
166	ALL	636406.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
167	ALL	636766.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
168	ALL	636806.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
169	ALL	636886.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
170	ALL	636926.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
171	ALL	636966.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
172	ALL	637166.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
173	ALL	637206.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
174	ALL	637246.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
175	ALL	637566.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
176	ALL	637606.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
177	ALL	637646.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
178	ALL	637686.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
179	ALL	637766.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
180	ALL	637806.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
181	ALL	637846.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
182	ALL	633566.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
183	ALL	633606.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
184	ALL	633646.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
185	ALL	633686.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
186	ALL	633726.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
187	ALL	633766.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
188	ALL	633806.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
189	ALL	633846.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
190	ALL	636246.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
191	ALL	636286.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
192	ALL	636326.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
193	ALL	636366.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
194	ALL	636406.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
195	ALL	636606.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
196	ALL	636646.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
197	ALL	636686.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05

198	ALL	636726.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
199	ALL	636766.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
200	ALL	636806.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
201	ALL	636846.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
202	ALL	636886.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
203	ALL	636926.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
204	ALL	636966.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
205	ALL	637006.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
206	ALL	637046.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
207	ALL	637086.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
208	ALL	637246.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
209	ALL	637566.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
210	ALL	637606.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
211	ALL	637646.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
212	ALL	637686.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
213	ALL	637726.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
214	ALL	637806.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
215	ALL	637846.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
216	ALL	637886.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
217	ALL	637926.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
218	ALL	637966.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
219	ALL	633606.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
220	ALL	633646.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
221	ALL	633686.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
222	ALL	633726.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
223	ALL	633766.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
224	ALL	633806.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
225	ALL	633846.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
226	ALL	636246.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
227	ALL	636286.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
228	ALL	636326.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
229	ALL	636406.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
230	ALL	636446.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
231	ALL	636606.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
232	ALL	636646.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
233	ALL	636686.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
234	ALL	636726.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
235	ALL	636766.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
236	ALL	636806.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
237	ALL	636846.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
238	ALL	636886.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
239	ALL	636926.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
240	ALL	636966.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
241	ALL	637006.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
242	ALL	637046.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
243	ALL	637086.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
244	ALL	637126.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
245	ALL	637166.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
246	ALL	637206.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
247	ALL	637246.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
248	ALL	637566.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
249	ALL	637606.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
250	ALL	637646.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
251	ALL	637686.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
252	ALL	637726.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
253	ALL	637806.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
254	ALL	637846.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
255	ALL	637886.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
256	ALL	637926.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
257	ALL	637966.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
258	ALL	633606.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
259	ALL	633646.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
260	ALL	633686.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
261	ALL	633726.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
262	ALL	633766.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
263	ALL	633806.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
264	ALL	633846.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
265	ALL	633886.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
266	ALL	636246.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
267	ALL	636286.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
268	ALL	636326.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
269	ALL	636406.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
270	ALL	636446.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
271	ALL	636606.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
272	ALL	636646.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
273	ALL	636686.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
274	ALL	636726.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
275	ALL	636766.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
276	ALL	636846.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
277	ALL	636886.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
278	ALL	636926.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
279	ALL	636966.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
280	ALL	637006.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
281	ALL	637046.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
282	ALL	637086.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
283	ALL	637126.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
284	ALL	637166.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
285	ALL	637206.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
286	ALL	637246.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05
287	ALL	637606.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
288	ALL	637646.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
289	ALL	637686.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
290	ALL	637726.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
291	ALL	637766.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
292	ALL	637846.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
293	ALL	637886.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
294	ALL	637926.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
295	ALL	637966.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
296	ALL	638006.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05

297	ALL	633246.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
298	ALL	633286.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
299	ALL	633326.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
300	ALL	633486.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
301	ALL	633526.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
302	ALL	633566.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
303	ALL	633606.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
304	ALL	633646.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
305	ALL	633686.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
306	ALL	633726.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
307	ALL	633766.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
308	ALL	633806.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
309	ALL	633846.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
310	ALL	633886.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
311	ALL	636246.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
312	ALL	636286.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
313	ALL	636326.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
314	ALL	636366.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
315	ALL	636406.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
316	ALL	636446.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
317	ALL	636566.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
318	ALL	636606.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
319	ALL	636646.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
320	ALL	636686.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
321	ALL	636726.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
322	ALL	636806.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
323	ALL	636846.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
324	ALL	637006.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
325	ALL	637046.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
326	ALL	637086.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
327	ALL	637126.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
328	ALL	637166.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
329	ALL	637206.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
330	ALL	637246.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
331	ALL	637566.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
332	ALL	637646.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
333	ALL	637686.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
334	ALL	637726.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
335	ALL	637766.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
336	ALL	637806.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
337	ALL	637886.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
338	ALL	637926.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
339	ALL	637966.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
340	ALL	638006.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
341	ALL	633126.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
342	ALL	633166.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
343	ALL	633206.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
344	ALL	633486.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
345	ALL	633526.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
346	ALL	633566.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
347	ALL	633606.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
348	ALL	633766.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
349	ALL	633806.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
350	ALL	636246.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
351	ALL	636286.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
352	ALL	636326.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
353	ALL	636366.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
354	ALL	636406.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
355	ALL	636446.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
356	ALL	636566.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
357	ALL	636606.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
358	ALL	636646.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
359	ALL	636686.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
360	ALL	636766.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
361	ALL	636806.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
362	ALL	636846.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
363	ALL	636886.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
364	ALL	636926.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
365	ALL	636966.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
366	ALL	637046.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
367	ALL	637086.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
368	ALL	637126.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
369	ALL	637166.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
370	ALL	637206.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
371	ALL	637246.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
372	ALL	637566.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
373	ALL	637606.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
374	ALL	637686.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
375	ALL	637726.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
376	ALL	637766.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
377	ALL	637806.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
378	ALL	637886.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
379	ALL	637926.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
380	ALL	637966.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
381	ALL	638006.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
382	ALL	638046.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
383	ALL	633086.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
384	ALL	633126.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
385	ALL	633166.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
386	ALL	633206.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
387	ALL	633486.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
388	ALL	636286.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
389	ALL	636326.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
390	ALL	636366.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
391	ALL	636406.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
392	ALL	636446.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
393	ALL	636566.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
394	ALL	636606.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
395	ALL	636646.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04

396	ALL	636686.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
397	ALL	636766.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
398	ALL	636806.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
399	ALL	636846.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
400	ALL	636886.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
401	ALL	636926.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
402	ALL	636966.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
403	ALL	637046.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
404	ALL	637166.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
405	ALL	637206.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
406	ALL	637246.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
407	ALL	637566.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
408	ALL	637606.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
409	ALL	637646.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
410	ALL	637726.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
411	ALL	637766.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
412	ALL	637806.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
413	ALL	637846.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
414	ALL	637926.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
415	ALL	637966.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
416	ALL	638006.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
417	ALL	638046.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
418	ALL	638086.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
419	ALL	638126.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
420	ALL	633086.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
421	ALL	633126.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
422	ALL	633166.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
423	ALL	633206.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
424	ALL	633246.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
425	ALL	636286.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
426	ALL	636366.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
427	ALL	636446.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
428	ALL	636566.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
429	ALL	636606.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
430	ALL	636646.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
431	ALL	636686.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
432	ALL	636766.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
433	ALL	636806.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
434	ALL	636846.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
435	ALL	636886.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
436	ALL	636926.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
437	ALL	637006.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
438	ALL	637046.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
439	ALL	637086.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
440	ALL	637126.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
441	ALL	637166.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
442	ALL	637566.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
443	ALL	637606.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05
444	ALL	637646.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
445	ALL	637686.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
446	ALL	637766.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05
447	ALL	637806.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
448	ALL	637846.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
449	ALL	637886.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
450	ALL	637966.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
451	ALL	638006.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
452	ALL	638046.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
453	ALL	638086.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
454	ALL	638126.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
455	ALL	638166.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
456	ALL	638206.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
457	ALL	638246.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
458	ALL	633086.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
459	ALL	633126.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
460	ALL	633166.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
461	ALL	633206.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
462	ALL	633246.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
463	ALL	636286.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
464	ALL	636366.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
465	ALL	636446.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
466	ALL	636566.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
467	ALL	636606.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
468	ALL	636646.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
469	ALL	636686.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
470	ALL	636726.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
471	ALL	636766.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
472	ALL	636846.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
473	ALL	636886.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
474	ALL	636926.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
475	ALL	637006.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
476	ALL	637046.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
477	ALL	637086.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
478	ALL	637126.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
479	ALL	637166.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
480	ALL	637606.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
481	ALL	637646.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
482	ALL	637686.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05
483	ALL	637886.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
484	ALL	637926.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
485	ALL	638046.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
486	ALL	638086.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
487	ALL	638126.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
488	ALL	638166.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
489	ALL	638206.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
490	ALL	638246.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
491	ALL	633086.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
492	ALL	636286.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
493	ALL	636366.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
494	ALL	636406.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05

495	ALL	636446.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
496	ALL	636526.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
497	ALL	636646.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
498	ALL	636686.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
499	ALL	636726.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
500	ALL	636766.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
501	ALL	636846.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
502	ALL	636886.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
503	ALL	636966.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
504	ALL	637006.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
505	ALL	637046.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
506	ALL	637086.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
507	ALL	637166.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
508	ALL	637206.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
509	ALL	637606.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
510	ALL	637646.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
511	ALL	637686.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
512	ALL	637726.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
513	ALL	637926.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
514	ALL	637966.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
515	ALL	638006.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
516	ALL	638086.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
517	ALL	638126.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
518	ALL	638166.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
519	ALL	638206.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
520	ALL	638246.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
521	ALL	633886.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
522	ALL	633926.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
523	ALL	636286.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
524	ALL	636326.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
525	ALL	636366.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
526	ALL	636406.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
527	ALL	636446.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
528	ALL	636526.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
529	ALL	636606.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
530	ALL	636646.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
531	ALL	636766.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
532	ALL	636846.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
533	ALL	636886.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
534	ALL	636926.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
535	ALL	636966.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
536	ALL	637006.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
537	ALL	637046.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
538	ALL	637126.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
539	ALL	637166.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
540	ALL	637206.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
541	ALL	637606.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
542	ALL	637646.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
543	ALL	637686.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
544	ALL	637726.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
545	ALL	637766.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
546	ALL	637966.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
547	ALL	638006.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
548	ALL	638046.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
549	ALL	638086.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
550	ALL	638166.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
551	ALL	638206.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
552	ALL	638246.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
553	ALL	638286.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
554	ALL	633766.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
555	ALL	633806.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
556	ALL	633846.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
557	ALL	633886.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
558	ALL	633926.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
559	ALL	636206.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
560	ALL	636526.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05
561	ALL	636606.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
562	ALL	636646.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
563	ALL	636686.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
564	ALL	636726.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
565	ALL	636766.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
566	ALL	636926.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
567	ALL	636966.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
568	ALL	637006.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
569	ALL	637046.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
570	ALL	637126.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
571	ALL	637166.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
572	ALL	637206.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
573	ALL	637606.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
574	ALL	637646.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
575	ALL	637686.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
576	ALL	637726.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
577	ALL	637766.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
578	ALL	637886.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
579	ALL	637926.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
580	ALL	637966.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
581	ALL	638046.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
582	ALL	638086.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
583	ALL	638126.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
584	ALL	638166.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
585	ALL	633686.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
586	ALL	633726.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
587	ALL	633766.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
588	ALL	633806.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
589	ALL	633846.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
590	ALL	633886.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
591	ALL	633926.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
592	ALL	636206.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
593	ALL	636286.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05

594	ALL	636326.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
595	ALL	636366.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
596	ALL	636406.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
597	ALL	636526.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
598	ALL	636566.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
599	ALL	636606.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
600	ALL	636646.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
601	ALL	636686.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
602	ALL	636726.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
603	ALL	636766.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
604	ALL	636806.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
605	ALL	636846.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
606	ALL	637006.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
607	ALL	637046.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
608	ALL	637086.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
609	ALL	637126.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
610	ALL	637166.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
611	ALL	637206.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
612	ALL	637646.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
613	ALL	637686.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
614	ALL	637726.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
615	ALL	637766.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
616	ALL	637806.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
617	ALL	637966.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
618	ALL	638006.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
619	ALL	638046.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
620	ALL	638126.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
621	ALL	633646.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
622	ALL	633686.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
623	ALL	633726.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
624	ALL	633766.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
625	ALL	633806.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
626	ALL	633846.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
627	ALL	633886.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
628	ALL	633926.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
629	ALL	636206.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
630	ALL	636286.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
631	ALL	636326.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
632	ALL	636366.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
633	ALL	636406.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
634	ALL	636526.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
635	ALL	636606.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
636	ALL	636646.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
637	ALL	636686.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
638	ALL	636726.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
639	ALL	636806.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
640	ALL	636846.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
641	ALL	636886.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
642	ALL	636926.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
643	ALL	637086.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
644	ALL	637126.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
645	ALL	637166.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
646	ALL	637206.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
647	ALL	637646.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
648	ALL	637686.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
649	ALL	637726.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
650	ALL	637766.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
651	ALL	637806.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
652	ALL	637846.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
653	ALL	638006.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
654	ALL	638046.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
655	ALL	638086.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
656	ALL	633406.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
657	ALL	633446.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
658	ALL	633646.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
659	ALL	633686.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
660	ALL	633726.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
661	ALL	633766.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
662	ALL	633806.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
663	ALL	633846.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
664	ALL	633886.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
665	ALL	633926.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
666	ALL	636206.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
667	ALL	636286.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
668	ALL	636326.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
669	ALL	636366.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
670	ALL	636406.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
671	ALL	636486.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
672	ALL	636526.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
673	ALL	636606.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
674	ALL	636646.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
675	ALL	636686.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
676	ALL	636766.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
677	ALL	636806.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
678	ALL	636886.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
679	ALL	636966.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
680	ALL	637006.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
681	ALL	637086.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
682	ALL	637166.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
683	ALL	637206.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
684	ALL	637646.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
685	ALL	637686.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
686	ALL	637726.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
687	ALL	637766.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
688	ALL	637806.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
689	ALL	637846.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
690	ALL	633366.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
691	ALL	633406.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
692	ALL	633446.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04

693	ALL	633646.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
694	ALL	633686.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
695	ALL	633726.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
696	ALL	633766.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
697	ALL	633806.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
698	ALL	633846.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
699	ALL	633886.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
700	ALL	633926.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
701	ALL	636206.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
702	ALL	636486.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
703	ALL	636526.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05
704	ALL	636566.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
705	ALL	636606.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
706	ALL	636646.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
707	ALL	636726.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
708	ALL	636766.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
709	ALL	636846.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
710	ALL	636886.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
711	ALL	636966.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
712	ALL	637046.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
713	ALL	637086.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
714	ALL	637126.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
715	ALL	637166.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
716	ALL	637646.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
717	ALL	637686.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
718	ALL	637726.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
719	ALL	637766.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
720	ALL	637806.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
721	ALL	637846.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
722	ALL	637886.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
723	ALL	633406.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
724	ALL	633446.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
725	ALL	633646.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
726	ALL	633686.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
727	ALL	633726.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
728	ALL	633766.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
729	ALL	633806.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
730	ALL	633846.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
731	ALL	633886.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
732	ALL	633926.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
733	ALL	636206.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
734	ALL	636486.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
735	ALL	636526.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
736	ALL	636566.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
737	ALL	636686.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05
738	ALL	636726.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
739	ALL	636806.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
740	ALL	636846.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
741	ALL	636926.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
742	ALL	636966.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
743	ALL	637046.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
744	ALL	637086.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
745	ALL	637126.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
746	ALL	637166.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
747	ALL	637206.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
748	ALL	637246.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
749	ALL	637686.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
750	ALL	637726.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
751	ALL	637766.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
752	ALL	637806.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
753	ALL	637846.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
754	ALL	637886.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
755	ALL	637926.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
756	ALL	633446.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
757	ALL	633486.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
758	ALL	633686.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
759	ALL	633726.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
760	ALL	633766.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
761	ALL	633806.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
762	ALL	636206.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
763	ALL	636486.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
764	ALL	636526.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
765	ALL	636566.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
766	ALL	636606.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
767	ALL	636686.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
768	ALL	636766.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
769	ALL	636806.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
770	ALL	636886.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
771	ALL	636926.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
772	ALL	637006.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
773	ALL	637046.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
774	ALL	637086.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
775	ALL	637126.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
776	ALL	637206.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
777	ALL	637246.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
778	ALL	637686.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
779	ALL	637726.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
780	ALL	637766.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
781	ALL	637806.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
782	ALL	637846.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
783	ALL	633326.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
784	ALL	633366.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
785	ALL	633406.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
786	ALL	633446.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
787	ALL	633486.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
788	ALL	633686.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
789	ALL	633726.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
790	ALL	633766.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
791	ALL	636206.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05

792	ALL	636486.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
793	ALL	636526.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
794	ALL	636566.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
795	ALL	636606.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
796	ALL	636646.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
797	ALL	636686.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
798	ALL	636726.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
799	ALL	636766.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
800	ALL	636846.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
801	ALL	636886.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
802	ALL	636966.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
803	ALL	637006.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
804	ALL	637046.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
805	ALL	637086.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
806	ALL	637126.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
807	ALL	637166.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
808	ALL	637246.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
809	ALL	637686.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
810	ALL	637726.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
811	ALL	637766.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
812	ALL	633326.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
813	ALL	633366.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
814	ALL	633406.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
815	ALL	633446.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
816	ALL	633486.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
817	ALL	633526.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
818	ALL	633686.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
819	ALL	633726.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
820	ALL	633766.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
821	ALL	636206.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
822	ALL	636446.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
823	ALL	636486.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
824	ALL	636526.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
825	ALL	636566.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
826	ALL	636606.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
827	ALL	636646.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05
828	ALL	636686.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
829	ALL	636726.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
830	ALL	636806.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
831	ALL	636846.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
832	ALL	636926.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
833	ALL	636966.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
834	ALL	637006.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
835	ALL	637046.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
836	ALL	637086.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
837	ALL	637166.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
838	ALL	637246.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
839	ALL	637286.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
840	ALL	637726.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
841	ALL	637766.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
842	ALL	638086.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05
843	ALL	638126.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
844	ALL	638206.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
845	ALL	638246.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
846	ALL	638286.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
847	ALL	638326.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
848	ALL	638366.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
849	ALL	633326.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
850	ALL	633366.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
851	ALL	633406.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05
852	ALL	633446.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
853	ALL	633486.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
854	ALL	633526.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
855	ALL	633726.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
856	ALL	633766.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
857	ALL	636206.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
858	ALL	636446.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
859	ALL	636486.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
860	ALL	636526.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
861	ALL	636566.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
862	ALL	636606.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
863	ALL	636646.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
864	ALL	636686.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
865	ALL	636766.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
866	ALL	636806.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
867	ALL	636886.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
868	ALL	636926.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
869	ALL	636966.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
870	ALL	637006.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
871	ALL	637046.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
872	ALL	637086.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
873	ALL	637126.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
874	ALL	637166.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
875	ALL	637246.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
876	ALL	637286.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
877	ALL	637726.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
878	ALL	637766.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
879	ALL	637806.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
880	ALL	638086.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
881	ALL	638126.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
882	ALL	638206.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
883	ALL	638246.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
884	ALL	638286.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
885	ALL	638326.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
886	ALL	638366.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
887	ALL	633326.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
888	ALL	633366.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
889	ALL	633406.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
890	ALL	633446.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04

891	ALL	633486.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
892	ALL	633526.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
893	ALL	633726.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
894	ALL	633766.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
895	ALL	633806.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
896	ALL	636406.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
897	ALL	636446.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
898	ALL	636486.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
899	ALL	636526.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
900	ALL	636566.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
901	ALL	636606.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
902	ALL	636646.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
903	ALL	636686.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
904	ALL	636726.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
905	ALL	636846.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
906	ALL	636886.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
907	ALL	636926.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
908	ALL	636966.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
909	ALL	637006.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
910	ALL	637046.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
911	ALL	637086.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
912	ALL	637126.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
913	ALL	637166.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
914	ALL	637246.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
915	ALL	637286.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
916	ALL	637726.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
917	ALL	637766.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
918	ALL	637806.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
919	ALL	637966.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
920	ALL	638006.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
921	ALL	638086.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
922	ALL	638126.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
923	ALL	638206.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
924	ALL	638246.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
925	ALL	638286.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
926	ALL	638326.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
927	ALL	638366.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
928	ALL	633366.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
929	ALL	633406.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
930	ALL	633446.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
931	ALL	633486.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
932	ALL	633526.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
933	ALL	633566.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
934	ALL	633726.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
935	ALL	633766.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
936	ALL	633806.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
937	ALL	636206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
938	ALL	636446.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
939	ALL	636486.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
940	ALL	636526.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
941	ALL	636566.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
942	ALL	636606.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
943	ALL	636646.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
944	ALL	636686.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
945	ALL	636726.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
946	ALL	636766.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
947	ALL	636846.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
948	ALL	636886.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
949	ALL	636926.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
950	ALL	636966.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
951	ALL	637006.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
952	ALL	637046.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
953	ALL	637086.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
954	ALL	637126.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
955	ALL	637206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
956	ALL	637246.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
957	ALL	637286.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
958	ALL	637726.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
959	ALL	637766.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
960	ALL	637806.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
961	ALL	637846.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
962	ALL	637966.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
963	ALL	638006.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
964	ALL	638086.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
965	ALL	638126.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
966	ALL	638206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
967	ALL	638246.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
968	ALL	638286.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
969	ALL	638326.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
970	ALL	638366.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
971	ALL	633366.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
972	ALL	633406.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
973	ALL	633446.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
974	ALL	633486.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
975	ALL	633526.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
976	ALL	633566.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
977	ALL	633766.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
978	ALL	633806.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
979	ALL	636206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
980	ALL	636406.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
981	ALL	636446.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
982	ALL	636486.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
983	ALL	636526.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
984	ALL	636566.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
985	ALL	636606.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
986	ALL	636646.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
987	ALL	636686.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
988	ALL	636726.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
989	ALL	636766.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05

990	ALL	636806.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
991	ALL	636886.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
992	ALL	636926.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
993	ALL	636966.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
994	ALL	637006.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
995	ALL	637046.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
996	ALL	637086.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
997	ALL	637126.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
998	ALL	637166.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
999	ALL	637206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1000	ALL	637246.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
1001	ALL	637286.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1002	ALL	637726.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1003	ALL	637766.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1004	ALL	637806.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
1005	ALL	637846.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1006	ALL	637966.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
1007	ALL	638006.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1008	ALL	638086.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1009	ALL	638126.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
1010	ALL	638166.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1011	ALL	638206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
1012	ALL	638246.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1013	ALL	638326.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1014	ALL	638366.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1015	ALL	633366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1016	ALL	633406.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
1017	ALL	633446.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
1018	ALL	633486.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1019	ALL	633526.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1020	ALL	633566.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
1021	ALL	633766.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
1022	ALL	633806.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
1023	ALL	633846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
1024	ALL	634246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1025	ALL	634286.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
1026	ALL	634326.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1027	ALL	634366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1028	ALL	634446.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1029	ALL	634486.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1030	ALL	634526.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1031	ALL	634566.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1032	ALL	634606.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1033	ALL	634646.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1034	ALL	634686.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1035	ALL	634726.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1036	ALL	634806.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1037	ALL	634846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1038	ALL	634886.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1039	ALL	634926.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1040	ALL	634966.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1041	ALL	636206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
1042	ALL	636246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
1043	ALL	636366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
1044	ALL	636406.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
1045	ALL	636446.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
1046	ALL	636486.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
1047	ALL	636526.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1048	ALL	636566.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
1049	ALL	636606.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
1050	ALL	636646.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
1051	ALL	636686.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
1052	ALL	636726.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
1053	ALL	636766.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
1054	ALL	636806.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
1055	ALL	636846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1056	ALL	636886.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
1057	ALL	636926.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1058	ALL	636966.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
1059	ALL	637006.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
1060	ALL	637046.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
1061	ALL	637086.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1062	ALL	637126.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
1063	ALL	637166.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
1064	ALL	637206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
1065	ALL	637246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
1066	ALL	637286.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1067	ALL	637726.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1068	ALL	637766.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1069	ALL	637806.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
1070	ALL	637846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
1071	ALL	637886.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
1072	ALL	637966.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
1073	ALL	638086.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1074	ALL	638126.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
1075	ALL	638166.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
1076	ALL	638206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1077	ALL	638246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
1078	ALL	638326.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1079	ALL	638366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1080	ALL	633406.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05
1081	ALL	633446.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
1082	ALL	633486.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1083	ALL	633526.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1084	ALL	633566.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
1085	ALL	633606.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1086	ALL	633766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
1087	ALL	633806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
1088	ALL	633846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04

1089	ALL	634126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1090	ALL	634166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
1091	ALL	634206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
1092	ALL	634246.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1093	ALL	634286.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1094	ALL	634366.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1095	ALL	634406.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1096	ALL	634446.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1097	ALL	634486.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1098	ALL	634566.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1099	ALL	634606.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1100	ALL	634646.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1101	ALL	634726.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1102	ALL	634766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1103	ALL	634806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1104	ALL	634846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1105	ALL	634886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1106	ALL	634926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1107	ALL	634966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1108	ALL	635046.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
1109	ALL	635086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1110	ALL	635686.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1111	ALL	635726.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
1112	ALL	635766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
1113	ALL	635806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
1114	ALL	635846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
1115	ALL	635886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
1116	ALL	635926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1117	ALL	635966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
1118	ALL	636006.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
1119	ALL	636046.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
1120	ALL	636086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
1121	ALL	636126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1122	ALL	636166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1123	ALL	636206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1124	ALL	636366.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
1125	ALL	636406.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1126	ALL	636446.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
1127	ALL	636486.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
1128	ALL	636526.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1129	ALL	636566.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
1130	ALL	636606.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1131	ALL	636646.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
1132	ALL	636686.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1133	ALL	636726.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
1134	ALL	636766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1135	ALL	636806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
1136	ALL	636846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1137	ALL	636886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
1138	ALL	636926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1139	ALL	636966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05
1140	ALL	637046.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
1141	ALL	637086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1142	ALL	637126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
1143	ALL	637166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1144	ALL	637206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
1145	ALL	637246.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
1146	ALL	637766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1147	ALL	637806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1148	ALL	637846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1149	ALL	637886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
1150	ALL	637926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
1151	ALL	637966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
1152	ALL	638086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1153	ALL	638126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
1154	ALL	638166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
1155	ALL	638206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1156	ALL	638246.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1157	ALL	638326.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1158	ALL	638366.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1159	ALL	633406.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
1160	ALL	633446.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
1161	ALL	633486.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05
1162	ALL	633526.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1163	ALL	633566.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1164	ALL	633606.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
1165	ALL	633806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1166	ALL	633846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1167	ALL	634006.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1168	ALL	634046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
1169	ALL	634086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
1170	ALL	634126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1171	ALL	634166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1172	ALL	634206.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
1173	ALL	634246.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
1174	ALL	634286.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1175	ALL	634326.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
1176	ALL	634366.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1177	ALL	634406.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1178	ALL	634446.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1179	ALL	634486.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1180	ALL	634526.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1181	ALL	634566.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1182	ALL	634606.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1183	ALL	634646.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1184	ALL	634686.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1185	ALL	634726.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1186	ALL	634766.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1187	ALL	634806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05

1188	ALL	634846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1189	ALL	634886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1190	ALL	634926.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1191	ALL	634966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1192	ALL	635006.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1193	ALL	635046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
1194	ALL	635086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1195	ALL	635126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1196	ALL	635686.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1197	ALL	635726.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1198	ALL	635766.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
1199	ALL	635806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
1200	ALL	635846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1201	ALL	635886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1202	ALL	635926.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
1203	ALL	635966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
1204	ALL	636006.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1205	ALL	636046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1206	ALL	636086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
1207	ALL	636126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1208	ALL	636166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1209	ALL	636326.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1210	ALL	636366.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
1211	ALL	636406.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
1212	ALL	636446.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
1213	ALL	636486.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1214	ALL	636526.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1215	ALL	636566.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
1216	ALL	636606.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
1217	ALL	636646.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1218	ALL	636726.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
1219	ALL	636766.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
1220	ALL	636806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
1221	ALL	636846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
1222	ALL	636886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1223	ALL	637006.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05
1224	ALL	637046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
1225	ALL	637086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
1226	ALL	637126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
1227	ALL	637166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
1228	ALL	637206.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
1229	ALL	637766.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1230	ALL	637806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1231	ALL	637846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1232	ALL	637886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
1233	ALL	637926.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1234	ALL	637966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
1235	ALL	638086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1236	ALL	638126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
1237	ALL	638166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
1238	ALL	638206.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1239	ALL	638246.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
1240	ALL	638326.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1241	ALL	638366.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1242	ALL	633406.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
1243	ALL	633446.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
1244	ALL	633486.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
1245	ALL	633526.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1246	ALL	633566.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1247	ALL	633606.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
1248	ALL	633806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1249	ALL	633886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05
1250	ALL	633926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
1251	ALL	633966.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
1252	ALL	634006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
1253	ALL	634046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1254	ALL	634126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
1255	ALL	634166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
1256	ALL	634206.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
1257	ALL	634286.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1258	ALL	634326.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1259	ALL	634366.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
1260	ALL	634406.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1261	ALL	634486.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1262	ALL	634566.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1263	ALL	634606.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1264	ALL	634646.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1265	ALL	634686.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1266	ALL	634726.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1267	ALL	634766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1268	ALL	634846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
1269	ALL	634886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1270	ALL	634926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1271	ALL	634966.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1272	ALL	635006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1273	ALL	635046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
1274	ALL	635086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1275	ALL	635126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
1276	ALL	635166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
1277	ALL	635686.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
1278	ALL	635726.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
1279	ALL	635766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1280	ALL	635806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1281	ALL	635846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
1282	ALL	635886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1283	ALL	635926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1284	ALL	635966.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1285	ALL	636006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
1286	ALL	636046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05

1287	ALL	636086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1288	ALL	636126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
1289	ALL	636286.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1290	ALL	636326.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1291	ALL	636366.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1292	ALL	636406.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1293	ALL	636446.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1294	ALL	636486.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1295	ALL	636526.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
1296	ALL	636566.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
1297	ALL	636646.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1298	ALL	636686.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1299	ALL	636726.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
1300	ALL	636766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
1301	ALL	636806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
1302	ALL	636846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1303	ALL	636886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
1304	ALL	636926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1305	ALL	637006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1306	ALL	637046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
1307	ALL	637086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1308	ALL	637126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
1309	ALL	637166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
1310	ALL	637766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1311	ALL	637806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1312	ALL	637846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1313	ALL	637886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1314	ALL	637926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1315	ALL	637966.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05
1316	ALL	638086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
1317	ALL	638126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05
1318	ALL	638166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1319	ALL	638206.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1320	ALL	638246.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1321	ALL	638326.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1322	ALL	638366.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1323	ALL	633326.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
1324	ALL	633366.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
1325	ALL	633406.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
1326	ALL	633446.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
1327	ALL	633486.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05
1328	ALL	633526.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
1329	ALL	633566.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1330	ALL	633606.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
1331	ALL	633806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1332	ALL	633846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1333	ALL	633886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
1334	ALL	633926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
1335	ALL	633966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
1336	ALL	634006.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
1337	ALL	634046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1338	ALL	634086.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1339	ALL	634126.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1340	ALL	634166.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
1341	ALL	634206.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
1342	ALL	634246.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
1343	ALL	634286.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1344	ALL	634326.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
1345	ALL	634406.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1346	ALL	634486.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
1347	ALL	634526.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1348	ALL	634566.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1349	ALL	634606.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1350	ALL	634646.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1351	ALL	634726.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1352	ALL	634766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1353	ALL	634806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1354	ALL	634886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
1355	ALL	634966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1356	ALL	635006.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1357	ALL	635046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1358	ALL	635086.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1359	ALL	635166.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
1360	ALL	635686.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
1361	ALL	635726.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
1362	ALL	635766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
1363	ALL	635806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1364	ALL	635846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
1365	ALL	635886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1366	ALL	635926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
1367	ALL	635966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
1368	ALL	636006.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
1369	ALL	636046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
1370	ALL	636086.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1371	ALL	636206.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
1372	ALL	636286.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
1373	ALL	636326.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1374	ALL	636366.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1375	ALL	636566.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
1376	ALL	636606.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
1377	ALL	636646.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
1378	ALL	636686.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
1379	ALL	636766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
1380	ALL	636806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
1381	ALL	636846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1382	ALL	636886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
1383	ALL	636926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
1384	ALL	636966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1385	ALL	637046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04

1386	ALL	637086.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
1387	ALL	637126.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-05
1388	ALL	637766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1389	ALL	637806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1390	ALL	637846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1391	ALL	637886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1392	ALL	637926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
1393	ALL	637966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
1394	ALL	633326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
1395	ALL	633366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
1396	ALL	633406.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1397	ALL	633446.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
1398	ALL	633486.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
1399	ALL	633846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1400	ALL	633886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
1401	ALL	633966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
1402	ALL	634006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1403	ALL	634046.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
1404	ALL	634086.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
1405	ALL	634126.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
1406	ALL	634166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1407	ALL	634206.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
1408	ALL	634246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
1409	ALL	634286.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1410	ALL	634326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1411	ALL	634366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1412	ALL	634566.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1413	ALL	634606.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1414	ALL	634686.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1415	ALL	634726.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1416	ALL	634766.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1417	ALL	634806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
1418	ALL	634846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1419	ALL	634966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1420	ALL	635006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1421	ALL	635046.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1422	ALL	635086.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1423	ALL	635126.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1424	ALL	635166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
1425	ALL	635246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
1426	ALL	635326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1427	ALL	635366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
1428	ALL	635406.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
1429	ALL	635446.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
1430	ALL	635686.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
1431	ALL	635726.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
1432	ALL	635766.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
1433	ALL	635806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
1434	ALL	635846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
1435	ALL	635886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1436	ALL	635926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1437	ALL	635966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
1438	ALL	636006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
1439	ALL	636166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
1440	ALL	636246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1441	ALL	636286.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1442	ALL	636326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
1443	ALL	636366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
1444	ALL	636406.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
1445	ALL	636446.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1446	ALL	636486.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1447	ALL	636526.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
1448	ALL	636566.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
1449	ALL	636606.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
1450	ALL	636646.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
1451	ALL	636686.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1452	ALL	636726.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1453	ALL	636766.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
1454	ALL	636806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
1455	ALL	636846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
1456	ALL	636886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1457	ALL	636926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
1458	ALL	636966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
1459	ALL	637006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1460	ALL	637046.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
1461	ALL	637806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1462	ALL	637846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1463	ALL	637886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
1464	ALL	637926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
1465	ALL	637966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
1466	ALL	638086.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05
1467	ALL	638126.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1468	ALL	638166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
1469	ALL	638206.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
1470	ALL	638246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
1471	ALL	638286.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
1472	ALL	638326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1473	ALL	638366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1474	ALL	633326.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
1475	ALL	633366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
1476	ALL	633406.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
1477	ALL	633446.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
1478	ALL	633486.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
1479	ALL	633526.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1480	ALL	633846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1481	ALL	633886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
1482	ALL	633926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
1483	ALL	633966.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
1484	ALL	634006.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05

1485	ALL	634046.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1486	ALL	634086.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
1487	ALL	634166.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
1488	ALL	634206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
1489	ALL	634246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
1490	ALL	634646.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
1491	ALL	634686.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
1492	ALL	634726.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1493	ALL	634766.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1494	ALL	634806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1495	ALL	634846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1496	ALL	634886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1497	ALL	634926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1498	ALL	635006.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
1499	ALL	635046.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
1500	ALL	635086.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1501	ALL	635126.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
1502	ALL	635166.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
1503	ALL	635206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1504	ALL	635246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1505	ALL	635286.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1506	ALL	635326.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1507	ALL	635366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1508	ALL	635406.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1509	ALL	635446.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
1510	ALL	635486.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
1511	ALL	635526.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
1512	ALL	635566.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1513	ALL	635606.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
1514	ALL	635646.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
1515	ALL	635686.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
1516	ALL	635726.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
1517	ALL	635766.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
1518	ALL	635806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
1519	ALL	635846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
1520	ALL	635886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
1521	ALL	635926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
1522	ALL	636086.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
1523	ALL	636126.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1524	ALL	636206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1525	ALL	636246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1526	ALL	636286.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1527	ALL	636326.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
1528	ALL	636366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1529	ALL	636406.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1530	ALL	636446.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1531	ALL	636486.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1532	ALL	636526.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1533	ALL	636566.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1534	ALL	636606.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1535	ALL	636646.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
1536	ALL	636686.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1537	ALL	636726.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1538	ALL	636766.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
1539	ALL	636806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1540	ALL	636846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
1541	ALL	636886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
1542	ALL	636926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1543	ALL	636966.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
1544	ALL	637006.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1545	ALL	637806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1546	ALL	637846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1547	ALL	637886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
1548	ALL	637926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
1549	ALL	637966.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
1550	ALL	638086.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
1551	ALL	638126.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1552	ALL	638166.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1553	ALL	638206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1554	ALL	638246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
1555	ALL	638286.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1556	ALL	638326.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1557	ALL	638366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1558	ALL	633326.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
1559	ALL	633366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1560	ALL	633406.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
1561	ALL	633446.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
1562	ALL	633486.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
1563	ALL	633526.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1564	ALL	633606.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
1565	ALL	633646.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1566	ALL	633686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1567	ALL	633846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1568	ALL	633886.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
1569	ALL	633926.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
1570	ALL	633966.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
1571	ALL	634006.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
1572	ALL	634046.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1573	ALL	634086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1574	ALL	634246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1575	ALL	634286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
1576	ALL	634686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1577	ALL	634726.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
1578	ALL	634766.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1579	ALL	634806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1580	ALL	634846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
1581	ALL	634886.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1582	ALL	634926.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1583	ALL	634966.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05

1584	ALL	635006.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
1585	ALL	635086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1586	ALL	635126.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
1587	ALL	635166.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
1588	ALL	635206.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1589	ALL	635246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1590	ALL	635286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1591	ALL	635326.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1592	ALL	635366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
1593	ALL	635406.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
1594	ALL	635446.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
1595	ALL	635486.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1596	ALL	635526.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
1597	ALL	635566.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
1598	ALL	635606.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
1599	ALL	635646.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
1600	ALL	635686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1601	ALL	635726.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
1602	ALL	635766.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
1603	ALL	635806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
1604	ALL	635846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
1605	ALL	636046.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
1606	ALL	636086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
1607	ALL	636166.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
1608	ALL	636206.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1609	ALL	636246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
1610	ALL	636286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1611	ALL	636326.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
1612	ALL	636366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
1613	ALL	636406.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1614	ALL	636446.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
1615	ALL	636486.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
1616	ALL	636526.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1617	ALL	636566.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1618	ALL	636606.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
1619	ALL	636646.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1620	ALL	636686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
1621	ALL	636726.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1622	ALL	636766.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
1623	ALL	636806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
1624	ALL	636846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
1625	ALL	636886.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1626	ALL	636926.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1627	ALL	636966.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
1628	ALL	637006.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
1629	ALL	637046.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1630	ALL	638086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
1631	ALL	638126.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
1632	ALL	638166.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1633	ALL	638206.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1634	ALL	638246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1635	ALL	638286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1636	ALL	638326.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1637	ALL	638366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1638	ALL	633366.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1639	ALL	633406.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
1640	ALL	633446.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
1641	ALL	633486.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
1642	ALL	633526.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1643	ALL	633606.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1644	ALL	633646.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1645	ALL	633686.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1646	ALL	633846.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1647	ALL	633886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
1648	ALL	633926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
1649	ALL	634006.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1650	ALL	634126.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1651	ALL	634166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1652	ALL	634206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1653	ALL	634246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1654	ALL	634726.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1655	ALL	634766.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
1656	ALL	634846.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
1657	ALL	634886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
1658	ALL	634926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
1659	ALL	634966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
1660	ALL	635046.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
1661	ALL	635086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
1662	ALL	635166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
1663	ALL	635206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1664	ALL	635246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
1665	ALL	635286.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
1666	ALL	635326.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
1667	ALL	635406.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
1668	ALL	635446.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1669	ALL	635486.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
1670	ALL	635526.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
1671	ALL	635566.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
1672	ALL	635606.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
1673	ALL	635646.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
1674	ALL	635686.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05
1675	ALL	635726.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05
1676	ALL	635766.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
1677	ALL	635926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
1678	ALL	635966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
1679	ALL	636006.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
1680	ALL	636126.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
1681	ALL	636166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05
1682	ALL	636206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05

1683	ALL	636246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1684	ALL	636286.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1685	ALL	636326.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
1686	ALL	636366.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05
1687	ALL	636406.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
1688	ALL	636446.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
1689	ALL	636486.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1690	ALL	636526.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
1691	ALL	636566.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
1692	ALL	636606.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1693	ALL	636646.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1694	ALL	636686.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1695	ALL	636726.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1696	ALL	636766.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
1697	ALL	636806.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1698	ALL	636846.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
1699	ALL	636886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
1700	ALL	636926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
1701	ALL	636966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
1702	ALL	637006.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
1703	ALL	637046.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05
1704	ALL	637086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1705	ALL	637846.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1706	ALL	637886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
1707	ALL	637966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
1708	ALL	638086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05
1709	ALL	638126.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
1710	ALL	638166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
1711	ALL	638206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1712	ALL	638246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1713	ALL	638286.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1714	ALL	638326.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1715	ALL	638366.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1716	ALL	633366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1717	ALL	633406.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
1718	ALL	633446.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
1719	ALL	633486.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
1720	ALL	633526.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05
1721	ALL	633566.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1722	ALL	633606.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
1723	ALL	633646.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1724	ALL	633686.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1725	ALL	633726.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1726	ALL	633886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
1727	ALL	634006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
1728	ALL	634046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
1729	ALL	634086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
1730	ALL	634126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
1731	ALL	634806.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
1732	ALL	634846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
1733	ALL	634886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
1734	ALL	634926.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
1735	ALL	634966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
1736	ALL	635006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1737	ALL	635046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1738	ALL	635126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
1739	ALL	635206.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1740	ALL	635246.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
1741	ALL	635326.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
1742	ALL	635366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1743	ALL	635406.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
1744	ALL	635446.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
1745	ALL	635486.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
1746	ALL	635526.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
1747	ALL	635566.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1748	ALL	635606.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-05
1749	ALL	635646.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05
1750	ALL	635686.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
1751	ALL	635846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
1752	ALL	635886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
1753	ALL	636006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
1754	ALL	636046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
1755	ALL	636086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
1756	ALL	636126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1757	ALL	636166.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
1758	ALL	636206.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
1759	ALL	636246.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
1760	ALL	636286.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
1761	ALL	636326.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
1762	ALL	636366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
1763	ALL	636406.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
1764	ALL	636606.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
1765	ALL	636646.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
1766	ALL	636686.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
1767	ALL	636726.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
1768	ALL	636766.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
1769	ALL	636806.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
1770	ALL	636846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1771	ALL	636886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
1772	ALL	636926.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
1773	ALL	636966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
1774	ALL	637006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
1775	ALL	637046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05
1776	ALL	637086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1777	ALL	637846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
1778	ALL	637886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
1779	ALL	637966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
1780	ALL	638086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05
1781	ALL	638126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05

1782	ALL	638166.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
1783	ALL	638206.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1784	ALL	638246.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1785	ALL	638286.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1786	ALL	638326.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1787	ALL	638366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1788	ALL	633366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1789	ALL	633406.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
1790	ALL	633446.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
1791	ALL	633486.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
1792	ALL	633526.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05
1793	ALL	633566.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1794	ALL	633646.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1795	ALL	633686.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1796	ALL	633726.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1797	ALL	633886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1798	ALL	633926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
1799	ALL	633966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
1800	ALL	634006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
1801	ALL	634046.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
1802	ALL	634086.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1803	ALL	634126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1804	ALL	634166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
1805	ALL	634246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1806	ALL	634286.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
1807	ALL	634846.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
1808	ALL	634886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
1809	ALL	634926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1810	ALL	634966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
1811	ALL	635006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1812	ALL	635126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
1813	ALL	635166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1814	ALL	635246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1815	ALL	635286.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
1816	ALL	635326.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
1817	ALL	635366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
1818	ALL	635406.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05
1819	ALL	635446.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
1820	ALL	635486.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05
1821	ALL	635526.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
1822	ALL	635566.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
1823	ALL	635606.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
1824	ALL	635766.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
1825	ALL	635806.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
1826	ALL	635886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
1827	ALL	635926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
1828	ALL	635966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
1829	ALL	636006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
1830	ALL	636046.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
1831	ALL	636086.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
1832	ALL	636126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
1833	ALL	636166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
1834	ALL	636206.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
1835	ALL	636246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
1836	ALL	636286.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1837	ALL	636326.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1838	ALL	636366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1839	ALL	636406.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
1840	ALL	636446.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1841	ALL	636486.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1842	ALL	636526.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1843	ALL	636566.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1844	ALL	636606.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1845	ALL	636646.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1846	ALL	636686.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1847	ALL	636726.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05
1848	ALL	636766.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
1849	ALL	636806.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
1850	ALL	636846.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05
1851	ALL	636886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
1852	ALL	636926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
1853	ALL	636966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
1854	ALL	637006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
1855	ALL	637046.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1856	ALL	637846.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
1857	ALL	637886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
1858	ALL	637966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
1859	ALL	638086.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
1860	ALL	638126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
1861	ALL	638166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
1862	ALL	638206.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1863	ALL	638246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1864	ALL	638286.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1865	ALL	638326.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1866	ALL	638366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1867	ALL	633406.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
1868	ALL	633446.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
1869	ALL	633486.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
1870	ALL	633526.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
1871	ALL	633566.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05
1872	ALL	633646.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1873	ALL	633766.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1874	ALL	633926.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
1875	ALL	633966.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
1876	ALL	634006.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1877	ALL	634046.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
1878	ALL	634086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
1879	ALL	634126.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
1880	ALL	634166.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05

1881	ALL	634966.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1882	ALL	635006.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
1883	ALL	635046.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
1884	ALL	635086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
1885	ALL	635166.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
1886	ALL	635206.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
1887	ALL	635246.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
1888	ALL	635286.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
1889	ALL	635326.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
1890	ALL	635366.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1891	ALL	635406.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
1892	ALL	635486.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
1893	ALL	635526.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
1894	ALL	635686.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05
1895	ALL	635726.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
1896	ALL	635806.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05
1897	ALL	635846.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
1898	ALL	635886.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1899	ALL	635926.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05
1900	ALL	636006.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1901	ALL	636046.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1902	ALL	636086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
1903	ALL	636126.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1904	ALL	637846.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1905	ALL	637886.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
1906	ALL	637966.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1907	ALL	638086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05
1908	ALL	638126.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-05
1909	ALL	638166.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1910	ALL	638206.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1911	ALL	638246.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1912	ALL	638366.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1913	ALL	633406.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1914	ALL	633446.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
1915	ALL	633486.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
1916	ALL	633526.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
1917	ALL	633766.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
1918	ALL	633806.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
1919	ALL	633886.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1920	ALL	633926.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05
1921	ALL	633966.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05
1922	ALL	634006.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
1923	ALL	634046.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
1924	ALL	634966.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
1925	ALL	635006.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1926	ALL	635126.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
1927	ALL	635166.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
1928	ALL	635206.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
1929	ALL	635246.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
1930	ALL	635286.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
1931	ALL	635326.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
1932	ALL	635406.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
1933	ALL	635446.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
1934	ALL	635606.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1935	ALL	635646.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
1936	ALL	635686.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1937	ALL	635726.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
1938	ALL	635766.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05
1939	ALL	635806.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
1940	ALL	635846.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1941	ALL	635886.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1942	ALL	635926.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1943	ALL	637846.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
1944	ALL	637886.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
1945	ALL	637966.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
1946	ALL	638086.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
1947	ALL	638126.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
1948	ALL	638166.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1949	ALL	638206.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1950	ALL	638326.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1951	ALL	638366.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1952	ALL	633406.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
1953	ALL	633446.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
1954	ALL	633486.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
1955	ALL	633806.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05
1956	ALL	633926.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1957	ALL	633966.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
1958	ALL	634126.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
1959	ALL	634166.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
1960	ALL	634206.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
1961	ALL	634246.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1962	ALL	634286.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
1963	ALL	634326.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
1964	ALL	634366.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1965	ALL	634406.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
1966	ALL	634446.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1967	ALL	635006.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1968	ALL	635166.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05
1969	ALL	635206.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
1970	ALL	635246.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
1971	ALL	635326.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05
1972	ALL	635366.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
1973	ALL	635526.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1974	ALL	635566.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
1975	ALL	635606.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1976	ALL	635646.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1977	ALL	635686.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1978	ALL	635726.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1979	ALL	635766.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04

1980	ALL	635806.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1981	ALL	635846.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1982	ALL	637846.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
1983	ALL	637886.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
1984	ALL	637966.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
1985	ALL	638086.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
1986	ALL	638126.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
1987	ALL	638166.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1988	ALL	638206.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1989	ALL	638286.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1990	ALL	638326.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1991	ALL	638366.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1992	ALL	633406.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
1993	ALL	633446.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1994	ALL	633486.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
1995	ALL	633526.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
1996	ALL	633766.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
1997	ALL	633806.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05
1998	ALL	633846.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
1999	ALL	634086.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
2000	ALL	634126.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
2001	ALL	634166.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
2002	ALL	634206.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
2003	ALL	634246.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
2004	ALL	634286.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
2005	ALL	634326.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2006	ALL	634366.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
2007	ALL	634406.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
2008	ALL	634446.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
2009	ALL	634486.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
2010	ALL	634526.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
2011	ALL	634566.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
2012	ALL	635446.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
2013	ALL	635486.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2014	ALL	635526.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2015	ALL	635566.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2016	ALL	635606.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2017	ALL	635646.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2018	ALL	635686.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2019	ALL	635726.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2020	ALL	635766.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
2021	ALL	633446.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
2022	ALL	633486.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
2023	ALL	633526.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
2024	ALL	633646.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
2025	ALL	633686.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2026	ALL	633726.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05
2027	ALL	633766.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05
2028	ALL	633806.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05
2029	ALL	634046.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
2030	ALL	634086.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
2031	ALL	634126.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
2032	ALL	634166.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
2033	ALL	634206.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
2034	ALL	634246.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
2035	ALL	634286.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
2036	ALL	634326.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
2037	ALL	634366.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
2038	ALL	634406.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
2039	ALL	634446.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
2040	ALL	634486.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
2041	ALL	634526.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
2042	ALL	634566.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
2043	ALL	634606.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
2044	ALL	634646.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
2045	ALL	635086.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
2046	ALL	635126.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
2047	ALL	635166.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
2048	ALL	635206.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
2049	ALL	635366.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2050	ALL	635406.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2051	ALL	635446.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2052	ALL	635486.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2053	ALL	635526.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
2054	ALL	635566.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2055	ALL	635606.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
2056	ALL	635646.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2057	ALL	635686.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
2058	ALL	638046.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
2059	ALL	638086.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
2060	ALL	638126.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
2061	ALL	638166.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
2062	ALL	638206.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
2063	ALL	638246.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
2064	ALL	638286.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
2065	ALL	638326.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
2066	ALL	638366.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
2067	ALL	633446.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
2068	ALL	633486.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
2069	ALL	633526.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
2070	ALL	633566.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
2071	ALL	633606.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
2072	ALL	633646.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2073	ALL	634046.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2074	ALL	634086.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
2075	ALL	634126.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
2076	ALL	634166.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
2077	ALL	634206.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
2078	ALL	634246.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05

2079	ALL	634286.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
2080	ALL	634326.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
2081	ALL	634366.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
2082	ALL	634406.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
2083	ALL	634446.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
2084	ALL	634486.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
2085	ALL	634526.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
2086	ALL	634566.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
2087	ALL	634606.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
2088	ALL	634646.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
2089	ALL	634686.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
2090	ALL	635086.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
2091	ALL	635126.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
2092	ALL	635166.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2093	ALL	635286.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
2094	ALL	635326.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2095	ALL	635366.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2096	ALL	635406.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2097	ALL	635446.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2098	ALL	635486.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2099	ALL	635526.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
2100	ALL	635566.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
2101	ALL	635606.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
2102	ALL	635646.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
2103	ALL	638046.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2104	ALL	638086.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
2105	ALL	638126.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
2106	ALL	638166.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
2107	ALL	638206.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2108	ALL	638246.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
2109	ALL	638286.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
2110	ALL	638326.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
2111	ALL	638366.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2112	ALL	634126.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
2113	ALL	634166.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
2114	ALL	634206.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
2115	ALL	634246.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
2116	ALL	634286.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
2117	ALL	634326.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
2118	ALL	634366.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
2119	ALL	634406.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
2120	ALL	634446.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
2121	ALL	634486.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
2122	ALL	634526.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
2123	ALL	634566.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
2124	ALL	634606.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
2125	ALL	634646.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
2126	ALL	634686.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
2127	ALL	634726.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
2128	ALL	635206.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
2129	ALL	635246.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2130	ALL	635286.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
2131	ALL	635326.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
2132	ALL	635366.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2133	ALL	635406.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2134	ALL	635446.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
2135	ALL	635486.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
2136	ALL	635526.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
2137	ALL	635566.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
2138	ALL	638046.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2139	ALL	638086.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05
2140	ALL	638126.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
2141	ALL	638166.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
2142	ALL	638206.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2143	ALL	638246.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
2144	ALL	638286.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
2145	ALL	638326.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
2146	ALL	638366.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
2147	ALL	634166.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
2148	ALL	634206.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2149	ALL	634246.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
2150	ALL	634286.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
2151	ALL	634326.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
2152	ALL	634366.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
2153	ALL	634406.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
2154	ALL	634446.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
2155	ALL	634486.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
2156	ALL	634526.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
2157	ALL	634566.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
2158	ALL	634606.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
2159	ALL	634646.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
2160	ALL	634686.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
2161	ALL	634726.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05
2162	ALL	634766.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
2163	ALL	635166.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
2164	ALL	635206.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2165	ALL	635246.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
2166	ALL	635286.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2167	ALL	635326.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2168	ALL	635366.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2169	ALL	635406.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
2170	ALL	635446.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
2171	ALL	635486.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
2172	ALL	635526.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04
2173	ALL	638046.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
2174	ALL	638086.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
2175	ALL	638126.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
2176	ALL	638166.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
2177	ALL	638206.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05

2178	ALL	638326.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
2179	ALL	638366.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
2180	ALL	634246.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05
2181	ALL	634286.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
2182	ALL	634326.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
2183	ALL	634366.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
2184	ALL	634406.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
2185	ALL	634446.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
2186	ALL	634486.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
2187	ALL	634526.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
2188	ALL	634566.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
2189	ALL	634606.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
2190	ALL	634646.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
2191	ALL	634686.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
2192	ALL	634726.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
2193	ALL	634766.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
2194	ALL	634806.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
2195	ALL	635166.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2196	ALL	635206.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2197	ALL	635246.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2198	ALL	635286.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2199	ALL	635326.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2200	ALL	635366.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
2201	ALL	635406.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
2202	ALL	635446.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
2203	ALL	638046.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2204	ALL	638086.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
2205	ALL	638126.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
2206	ALL	638166.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
2207	ALL	633726.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2208	ALL	634406.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05
2209	ALL	634446.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
2210	ALL	634486.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
2211	ALL	634526.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
2212	ALL	634566.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
2213	ALL	634606.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
2214	ALL	634646.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
2215	ALL	634686.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
2216	ALL	634726.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
2217	ALL	634766.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
2218	ALL	634806.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-05
2219	ALL	634846.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
2220	ALL	635046.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
2221	ALL	635086.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05
2222	ALL	635206.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
2223	ALL	635246.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2224	ALL	635286.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2225	ALL	635326.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
2226	ALL	635366.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
2227	ALL	635406.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
2228	ALL	638046.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2229	ALL	638086.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
2230	ALL	638126.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
2231	ALL	638166.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
2232	ALL	638206.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
2233	ALL	638246.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
2234	ALL	638286.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
2235	ALL	638326.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2236	ALL	638366.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
2237	ALL	634686.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
2238	ALL	634726.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2239	ALL	634766.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
2240	ALL	634806.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05
2241	ALL	634846.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
2242	ALL	635006.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05
2243	ALL	635046.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2244	ALL	635126.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2245	ALL	635166.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2246	ALL	635206.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2247	ALL	635246.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
2248	ALL	635286.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
2249	ALL	635326.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
2250	ALL	635366.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
2251	ALL	638126.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
2252	ALL	638166.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
2253	ALL	638206.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
2254	ALL	638246.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
2255	ALL	638286.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2256	ALL	638326.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2257	ALL	638366.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2258	ALL	635006.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
2259	ALL	635046.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
2260	ALL	635086.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2261	ALL	635126.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
2262	ALL	635166.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2263	ALL	635206.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
2264	ALL	635246.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
2265	ALL	635286.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
2266	ALL	635326.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
2267	ALL	638126.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
2268	ALL	638166.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
2269	ALL	638206.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05
2270	ALL	638246.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
2271	ALL	638286.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
2272	ALL	638326.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
2273	ALL	638366.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2274	ALL	635046.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2275	ALL	635086.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
2276	ALL	635126.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04

2277	ALL	635166.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
2278	ALL	635206.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
2279	ALL	635246.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
2280	ALL	635286.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
2281	ALL	638126.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
2282	ALL	638166.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
2283	ALL	638206.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
2284	ALL	638246.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
2285	ALL	638286.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2286	ALL	638326.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
2287	ALL	638366.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
2288	ALL	635126.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
2289	ALL	635166.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
2290	ALL	635206.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
2291	ALL	635246.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
2292	ALL	638206.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
2293	ALL	638246.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
2294	ALL	638286.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
2295	ALL	638326.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
2296	ALL	638366.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2297	ALL	635166.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04
2298	ALL	635206.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
2299	ALL	638046.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2300	ALL	638086.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
2301	ALL	638126.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
2302	ALL	638166.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
2303	ALL	638206.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2304	ALL	638246.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
2305	ALL	638286.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
2306	ALL	638326.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2307	ALL	638366.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
2308	ALL	638046.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2309	ALL	638086.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
2310	ALL	638126.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
2311	ALL	638166.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
2312	ALL	638206.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
2313	ALL	638246.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
2314	ALL	638286.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
2315	ALL	638326.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2316	ALL	638366.2	4272032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
2317	ALL	638046.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
2318	ALL	638086.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
2319	ALL	638126.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
2320	ALL	638166.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
2321	ALL	638206.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
2322	ALL	638246.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
2323	ALL	638286.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2324	ALL	638326.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
2325	ALL	638366.2	4272072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2326	ALL	633966.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
2327	ALL	638046.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
2328	ALL	638086.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
2329	ALL	638126.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
2330	ALL	638286.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
2331	ALL	638326.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2332	ALL	638366.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
2333	ALL	638286.2	4272152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
2334	ALL	638326.2	4272152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2335	ALL	638366.2	4272152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2336	ALL	638286.2	4272192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
2337	ALL	638326.2	4272192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2338	ALL	638366.2	4272192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
2339	ALL	634966.2	4272232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
2340	ALL	638286.2	4272232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2341	ALL	638326.2	4272232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2342	ALL	638366.2	4272232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2343	ALL	634966.2	4272272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
2344	ALL	638286.2	4272272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2345	ALL	638326.2	4272272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2346	ALL	638366.2	4272272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2347	ALL	634926.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
2348	ALL	634966.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
2349	ALL	638286.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
2350	ALL	638326.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2351	ALL	638366.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2352	ALL	638126.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
2353	ALL	638166.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
2354	ALL	638206.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
2355	ALL	638246.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2356	ALL	638286.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2357	ALL	638326.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2358	ALL	638366.2	4272392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2359	ALL	638126.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
2360	ALL	638166.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
2361	ALL	638206.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
2362	ALL	638246.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
2363	ALL	638286.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2364	ALL	638326.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2365	ALL	638366.2	4272432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2366	ALL	638126.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
2367	ALL	638166.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
2368	ALL	638206.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2369	ALL	638246.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
2370	ALL	638286.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
2371	ALL	638326.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2372	ALL	638366.2	4272472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2373	ALL	638126.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
2374	ALL	638166.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2375	ALL	638206.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05

2376	ALL	638246.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2377	ALL	638286.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2378	ALL	638326.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2379	ALL	638366.2	4272512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2380	ALL	638126.2	4272552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
2381	ALL	638166.2	4272552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2382	ALL	638206.2	4272552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
2383	ALL	638246.2	4272552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
2384	ALL	638326.2	4272552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2385	ALL	638366.2	4272552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2386	ALL	638046.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
2387	ALL	638086.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
2388	ALL	638126.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
2389	ALL	638166.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
2390	ALL	638206.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
2391	ALL	638246.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2392	ALL	638326.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2393	ALL	638366.2	4272592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2394	ALL	638046.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
2395	ALL	638086.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
2396	ALL	638126.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
2397	ALL	638166.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2398	ALL	638206.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
2399	ALL	638246.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2400	ALL	638326.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2401	ALL	638366.2	4272632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2402	ALL	638046.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
2403	ALL	638086.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
2404	ALL	638126.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
2405	ALL	638166.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
2406	ALL	638206.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2407	ALL	638246.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2408	ALL	638326.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2409	ALL	638366.2	4272672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2410	ALL	638046.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
2411	ALL	638086.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
2412	ALL	638126.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
2413	ALL	638166.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
2414	ALL	638206.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2415	ALL	638246.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
2416	ALL	638326.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2417	ALL	638366.2	4272712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2418	ALL	638046.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
2419	ALL	638086.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2420	ALL	638126.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
2421	ALL	638166.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
2422	ALL	638206.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2423	ALL	638246.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2424	ALL	638326.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2425	ALL	638366.2	4272752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2426	ALL	638206.2	4272792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2427	ALL	638246.2	4272792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2428	ALL	638326.2	4272792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2429	ALL	638366.2	4272792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2430	ALL	638206.2	4272832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2431	ALL	638246.2	4272832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2432	ALL	638326.2	4272832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2433	ALL	638366.2	4272832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2434	ALL	638246.2	4272872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2435	ALL	638326.2	4272872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2436	ALL	638366.2	4272872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2437	ALL	638246.2	4272912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2438	ALL	638326.2	4272912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2439	ALL	638366.2	4272912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2440	ALL	638246.2	4272952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2441	ALL	638326.2	4272952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2442	ALL	638366.2	4272952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2443	ALL	638126.2	4272992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2444	ALL	638166.2	4272992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2445	ALL	638206.2	4272992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2446	ALL	638246.2	4272992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2447	ALL	638326.2	4272992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2448	ALL	638366.2	4272992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2449	ALL	638046.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2450	ALL	638086.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2451	ALL	638126.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2452	ALL	638166.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2453	ALL	638206.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2454	ALL	638246.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2455	ALL	638326.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2456	ALL	638366.2	4273032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2457	ALL	638046.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2458	ALL	638086.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2459	ALL	638126.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2460	ALL	638166.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2461	ALL	638206.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2462	ALL	638246.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2463	ALL	638326.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2464	ALL	638366.2	4273072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
2465	ALL	635886.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
2466	ALL	635926.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
2467	ALL	635966.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2468	ALL	636006.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2469	ALL	636046.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2470	ALL	636086.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2471	ALL	636126.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
2472	ALL	636166.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
2473	ALL	636206.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05
2474	ALL	636246.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05

2475	ALL	636286.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
2476	ALL	636326.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05
2477	ALL	637366.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2478	ALL	638046.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2479	ALL	638086.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2480	ALL	638126.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2481	ALL	638166.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2482	ALL	638206.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2483	ALL	638246.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2484	ALL	638326.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2485	ALL	638366.2	4273112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06
2486	ALL	635806.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2487	ALL	635846.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
2488	ALL	635886.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05
2489	ALL	635926.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
2490	ALL	635966.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05
2491	ALL	636006.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
2492	ALL	636046.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05
2493	ALL	636086.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
2494	ALL	636126.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05
2495	ALL	636166.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
2496	ALL	636206.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
2497	ALL	636246.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
2498	ALL	636286.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
2499	ALL	636326.2	4273152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
2500	ALL	635726.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2501	ALL	635766.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05
2502	ALL	635806.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
2503	ALL	635846.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
2504	ALL	635886.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2505	ALL	635926.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
2506	ALL	635966.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05
2507	ALL	636006.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
2508	ALL	636046.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
2509	ALL	636086.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
2510	ALL	636126.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
2511	ALL	636166.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
2512	ALL	636206.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
2513	ALL	636246.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
2514	ALL	636286.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
2515	ALL	636326.2	4273192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
2516	ALL	635606.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2517	ALL	635646.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
2518	ALL	635686.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
2519	ALL	635726.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05
2520	ALL	635766.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05
2521	ALL	635806.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
2522	ALL	635846.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
2523	ALL	635886.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
2524	ALL	635926.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
2525	ALL	635966.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
2526	ALL	636006.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
2527	ALL	636046.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
2528	ALL	636086.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
2529	ALL	636126.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
2530	ALL	636166.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
2531	ALL	636206.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
2532	ALL	636246.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
2533	ALL	636286.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
2534	ALL	636326.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
2535	ALL	636366.2	4273232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
2536	ALL	635606.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2537	ALL	635646.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05
2538	ALL	635686.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
2539	ALL	635726.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
2540	ALL	635766.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
2541	ALL	635806.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
2542	ALL	635846.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05
2543	ALL	635886.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
2544	ALL	635926.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
2545	ALL	635966.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
2546	ALL	636006.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
2547	ALL	636046.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
2548	ALL	636086.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
2549	ALL	636126.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
2550	ALL	636166.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
2551	ALL	636206.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
2552	ALL	636246.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
2553	ALL	636286.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
2554	ALL	636326.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
2555	ALL	636366.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
2556	ALL	636406.2	4273272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
2557	ALL	635646.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
2558	ALL	635686.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
2559	ALL	635726.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-05
2560	ALL	635766.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
2561	ALL	635806.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
2562	ALL	635846.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
2563	ALL	635886.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
2564	ALL	635926.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
2565	ALL	635966.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
2566	ALL	636006.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
2567	ALL	636046.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
2568	ALL	636086.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
2569	ALL	636126.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
2570	ALL	636166.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
2571	ALL	636206.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
2572	ALL	636246.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
2573	ALL	636286.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05

2574	ALL	636326.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
2575	ALL	636366.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
2576	ALL	636406.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
2577	ALL	636446.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
2578	ALL	636486.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
2579	ALL	638206.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2580	ALL	638246.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
2581	ALL	638286.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
2582	ALL	638326.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
2583	ALL	638366.2	4273312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
2584	ALL	635686.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
2585	ALL	635726.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
2586	ALL	635766.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
2587	ALL	635806.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
2588	ALL	635846.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
2589	ALL	635886.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
2590	ALL	635926.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
2591	ALL	635966.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
2592	ALL	636006.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
2593	ALL	636046.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
2594	ALL	636086.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2595	ALL	636126.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
2596	ALL	636166.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
2597	ALL	636206.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
2598	ALL	636246.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
2599	ALL	636286.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
2600	ALL	636326.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
2601	ALL	636366.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
2602	ALL	636406.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
2603	ALL	636446.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
2604	ALL	636486.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
2605	ALL	636526.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
2606	ALL	636566.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
2607	ALL	636606.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
2608	ALL	638206.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06
2609	ALL	638246.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06
2610	ALL	638286.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06
2611	ALL	638326.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
2612	ALL	638366.2	4273352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06
2613	ALL	635766.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
2614	ALL	635806.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
2615	ALL	635846.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
2616	ALL	635886.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
2617	ALL	635926.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
2618	ALL	635966.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2619	ALL	636006.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
2620	ALL	636046.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2621	ALL	636086.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
2622	ALL	636126.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
2623	ALL	636166.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
2624	ALL	636206.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
2625	ALL	636246.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
2626	ALL	636286.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
2627	ALL	636326.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
2628	ALL	636366.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
2629	ALL	636406.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
2630	ALL	636446.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
2631	ALL	636486.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
2632	ALL	636526.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
2633	ALL	636566.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
2634	ALL	636606.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
2635	ALL	636646.2	4273392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
2636	ALL	635806.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
2637	ALL	635846.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
2638	ALL	635886.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
2639	ALL	635926.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
2640	ALL	635966.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
2641	ALL	636006.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
2642	ALL	636046.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
2643	ALL	636086.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
2644	ALL	636126.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
2645	ALL	636166.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
2646	ALL	636206.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
2647	ALL	636246.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
2648	ALL	636286.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
2649	ALL	636326.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
2650	ALL	636366.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
2651	ALL	636406.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
2652	ALL	636446.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
2653	ALL	636486.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
2654	ALL	636526.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
2655	ALL	636566.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
2656	ALL	636606.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
2657	ALL	636646.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
2658	ALL	636686.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
2659	ALL	638006.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2660	ALL	638046.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2661	ALL	638086.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2662	ALL	638126.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06
2663	ALL	638166.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-06
2664	ALL	638206.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-06
2665	ALL	638246.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
2666	ALL	638286.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06
2667	ALL	638326.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
2668	ALL	638366.2	4273432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06
2669	ALL	635846.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
2670	ALL	635886.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
2671	ALL	635926.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
2672	ALL	635966.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05

2673	ALL	636006.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
2674	ALL	636046.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
2675	ALL	636086.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
2676	ALL	636126.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
2677	ALL	636166.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
2678	ALL	636206.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
2679	ALL	636246.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
2680	ALL	636286.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
2681	ALL	636326.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
2682	ALL	636366.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2683	ALL	636406.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
2684	ALL	636446.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
2685	ALL	636606.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
2686	ALL	636646.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
2687	ALL	636686.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
2688	ALL	636726.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
2689	ALL	637606.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2690	ALL	637646.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2691	ALL	637686.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2692	ALL	637726.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2693	ALL	637766.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2694	ALL	638006.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2695	ALL	638046.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2696	ALL	638086.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2697	ALL	638126.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
2698	ALL	638166.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06
2699	ALL	638206.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06
2700	ALL	638246.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06
2701	ALL	638286.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-06
2702	ALL	638326.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06
2703	ALL	638366.2	4273472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-06
2704	ALL	635926.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
2705	ALL	635966.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
2706	ALL	636006.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
2707	ALL	636046.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
2708	ALL	636086.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
2709	ALL	636126.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
2710	ALL	636166.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
2711	ALL	636206.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
2712	ALL	636246.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
2713	ALL	636286.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
2714	ALL	636326.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2715	ALL	636366.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
2716	ALL	636646.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
2717	ALL	636686.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
2718	ALL	636726.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2719	ALL	637606.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2720	ALL	637646.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2721	ALL	637686.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2722	ALL	637726.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2723	ALL	637766.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2724	ALL	638006.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2725	ALL	638046.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2726	ALL	638086.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-06
2727	ALL	638126.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06
2728	ALL	638166.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-06
2729	ALL	638206.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-06
2730	ALL	638246.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06
2731	ALL	638286.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06
2732	ALL	638326.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06
2733	ALL	638366.2	4273512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-06
2734	ALL	636006.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
2735	ALL	636046.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
2736	ALL	636086.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
2737	ALL	636126.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
2738	ALL	636166.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
2739	ALL	636206.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
2740	ALL	636246.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
2741	ALL	636286.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
2742	ALL	636326.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
2743	ALL	636606.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
2744	ALL	636646.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2745	ALL	636686.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
2746	ALL	637606.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2747	ALL	637646.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2748	ALL	637686.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2749	ALL	637726.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2750	ALL	637766.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
2751	ALL	637806.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
2752	ALL	637846.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2753	ALL	637886.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2754	ALL	638006.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2755	ALL	638046.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2756	ALL	638086.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
2757	ALL	638126.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06
2758	ALL	638166.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06
2759	ALL	638206.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-06
2760	ALL	638246.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
2761	ALL	638286.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06
2762	ALL	638326.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06
2763	ALL	638366.2	4273552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06
2764	ALL	636086.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
2765	ALL	636126.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
2766	ALL	636166.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
2767	ALL	636206.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
2768	ALL	636246.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
2769	ALL	636286.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2770	ALL	636606.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
2771	ALL	636646.2	4273592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05

2772	ALL	636126.2	4273632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
2773	ALL	636166.2	4273632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
2774	ALL	636206.2	4273632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2775	ALL	636246.2	4273632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
2776	ALL	636286.2	4273632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2777	ALL	637060.5	4271428	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2778	ALL	637144.2	4271358	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
2779	ALL	637162.3	4271343	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
2780	ALL	637135.1	4271307	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
2781	ALL	637139.6	4271298	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
2782	ALL	637089.7	4271237	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
2783	ALL	637081.2	4271244	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
2784	ALL	637067.6	4271230	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
2785	ALL	637059.8	4271239	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
2786	ALL	637073.4	4271250	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
2787	ALL	637066.3	4271259	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
2788	ALL	637118.9	4271320	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
2789	ALL	637127.9	4271314	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
2790	ALL	637148.7	4271344	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
2791	ALL	637056.6	4271416	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
2792	ALL	637022.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
2793	ALL	636978.7	4271446	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
2794	ALL	636956	4271450	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
2795	ALL	636917.7	4271450	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2796	ALL	636833.3	4271442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2797	ALL	636745.1	4271434	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2798	ALL	636680.8	4271428	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2799	ALL	636581.4	4271418	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2800	ALL	636489.3	4271410	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2801	ALL	636414.7	4271412	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2802	ALL	636354.7	4271415	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2803	ALL	636300.6	4271426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2804	ALL	636223.1	4271438	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
2805	ALL	636094.4	4271457	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2806	ALL	636012.5	4271475	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2807	ALL	635929.3	4271499	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2808	ALL	635832.8	4271537	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
2809	ALL	635781.6	4271559	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
2810	ALL	635723.1	4271595	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
2811	ALL	635651.4	4271654	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
2812	ALL	635569.5	4271717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
2813	ALL	635497.9	4271763	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
2814	ALL	635436.4	4271813	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
2815	ALL	635348.7	4271899	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
2816	ALL	635268.2	4271978	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
2817	ALL	635193.6	4272049	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
2818	ALL	635154.1	4272082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
2819	ALL	635102.9	4272027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04
2820	ALL	635079.5	4272063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04
2821	ALL	635082.5	4272094	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04
2822	ALL	635098.5	4272123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
2823	ALL	634974.2	4272202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
2824	ALL	634974.2	4272285	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
2825	ALL	634930.3	4272331	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04
2826	ALL	634921.6	4272321	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
2827	ALL	634928.9	4272305	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
2828	ALL	634934.7	4272290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
2829	ALL	634931.8	4272284	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
2830	ALL	634917.2	4272306	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
2831	ALL	634904	4272329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
2832	ALL	634871.5	4272349	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
2833	ALL	634810	4272378	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2834	ALL	634769.1	4272390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2835	ALL	634694.5	4272382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
2836	ALL	634631.6	4272373	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2837	ALL	634552.6	4272366	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2838	ALL	634441.4	4272325	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
2839	ALL	634296.6	4272265	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2840	ALL	634129.9	4272188	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2841	ALL	634042.1	4272147	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
2842	ALL	633982.4	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
2843	ALL	633962.5	4272091	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
2844	ALL	633951.3	4272065	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
2845	ALL	633941.4	4272028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2846	ALL	633933.9	4272002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
2847	ALL	633921.5	4271976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2848	ALL	633901.6	4271956	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2849	ALL	633868	4271941	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
2850	ALL	633827	4271932	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2851	ALL	633808.3	4271923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
2852	ALL	633788.4	4271908	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
2853	ALL	633774.8	4271891	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2854	ALL	633753.6	4271828	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
2855	ALL	633710.1	4271691	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
2856	ALL	633693.3	4271700	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
2857	ALL	633765.1	4271899	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2858	ALL	633786.5	4271929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
2859	ALL	633803.3	4271938	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
2860	ALL	633831.6	4271943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2861	ALL	633860.6	4271947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
2862	ALL	633881.9	4271953	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2863	ALL	633908.7	4271973	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2864	ALL	633921.7	4271994	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
2865	ALL	633931.6	4272031	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
2866	ALL	633937.7	4272053	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
2867	ALL	633918.6	4272053	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
2868	ALL	633911.7	4272097	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
2869	ALL	633956	4272101	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2870	ALL	634007.9	4272137	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04

2871	ALL	634056.8	4272161	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
2872	ALL	634114.1	4272190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2873	ALL	634214.9	4272236	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
2874	ALL	634313.7	4272280	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
2875	ALL	634496.1	4272359	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
2876	ALL	634555.3	4272375	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2877	ALL	634638	4272385	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04
2878	ALL	634746.7	4272396	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2879	ALL	634773.2	4272395	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
2880	ALL	634790.1	4272394	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
2881	ALL	634810.9	4272389	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
2882	ALL	634828.4	4272381	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
2883	ALL	634845.9	4272371	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
2884	ALL	634857.6	4272363	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
2885	ALL	634873.2	4272356	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
2886	ALL	634888.1	4272350	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
2887	ALL	634923.2	4272339	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
2888	ALL	634929	4272338	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
2889	ALL	634948.5	4272324	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
2890	ALL	634975.1	4272301	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
2891	ALL	634991.3	4272270	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
2892	ALL	635047.8	4272254	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
2893	ALL	635110.7	4272224	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
2894	ALL	635172.2	4272170	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
2895	ALL	635251.2	4272096	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
2896	ALL	635343.3	4272006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
2897	ALL	635421.9	4271924	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
2898	ALL	635515.5	4271825	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
2899	ALL	635571.1	4271790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
2900	ALL	635606.2	4271772	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04
2901	ALL	635606.2	4271733	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
2902	ALL	635629.6	4271717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
2903	ALL	635620.9	4271693	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
2904	ALL	635689.4	4271635	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
2905	ALL	635729.6	4271600	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
2906	ALL	635767.6	4271576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
2907	ALL	635798.4	4271561	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
2908	ALL	635851.6	4271538	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
2909	ALL	635882.7	4271524	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
2910	ALL	635911.8	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
2911	ALL	635954.5	4271499	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
2912	ALL	636030.9	4271478	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2913	ALL	636077.5	4271468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2914	ALL	636174.5	4271456	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2915	ALL	636228.7	4271448	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
2916	ALL	636300.5	4271434	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2917	ALL	636374.6	4271422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2918	ALL	636470.9	4271418	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
2919	ALL	636535	4271420	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
2920	ALL	636617.5	4271428	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
2921	ALL	636772.2	4271443	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
2922	ALL	636825	4271449	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
2923	ALL	636866.2	4271452	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
2924	ALL	636909.6	4271457	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
2925	ALL	636940.2	4271459	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
2926	ALL	636961.4	4271458	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
2927	ALL	637012.1	4271446	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04

Health Risk Assessment Scenario 2: Haul Route North

Haul trucks would travel along the top of the levee crossing the paved bicycle path adjacent to the 28th and B Street Skate Park. Bicycle traffic would be controlled by a dedicated flagger during construction to prevent collisions from occurring. Haul trucks would enter the main ingress point and deliver their loads along Site 1-1 and then continue along the top of the levee east to exit at Glenn Hall Park and continue on Carlson Drive to H Street. Haul trucks would travel south along Howe Avenue to U.S. 50. This emissions scenario included 100 percent of the haul truck trips traveling south on Howe Avenue to U.S. 50.

Control Pathway

Dispersion Options

Titles

C:\Users\shaurya.johari\OneDrive - Ascent Environmental\Desktop\Proj

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours

☑ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: Scenario2S.err

Source Pathway - Source Inputs

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL3673	634994.79	4272245.06	8.21	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3674	635004.79	4272245.06	7.93	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3675	635014.79	4272245.06	6.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3676	635024.79	4272245.06	5.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3874	634994.79	4272235.06	8.41	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3875	635004.79	4272235.06	8.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3876	635014.79	4272235.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3877	635024.79	4272235.06	6.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3878	635034.79	4272235.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3879	635044.79	4272235.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL3880	635054.79	4272235.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4075	634994.79	4272225.06	8.60	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4076	635004.79	4272225.06	8.21	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4077	635014.79	4272225.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4078	635024.79	4272225.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4079	635034.79	4272225.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4080	635044.79	4272225.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4081	635054.79	4272225.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4082	635064.79	4272225.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4083	635074.79	4272225.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4276	634994.79	4272215.06	8.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4277	635004.79	4272215.06	8.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4278	635014.79	4272215.06	8.37	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4279	635024.79	4272215.06	8.14	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4280	635034.79	4272215.06	7.83	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4281	635044.79	4272215.06	6.74	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4282	635054.79	4272215.06	5.65	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4283	635064.79	4272215.06	4.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4284	635074.79	4272215.06	4.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4285	635084.79	4272215.06	3.54	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4286	635094.79	4272215.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4478	635004.79	4272205.06	9.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4479	635014.79	4272205.06	8.74	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4480	635024.79	4272205.06	8.47	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4481	635034.79	4272205.06	8.17	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4482	635044.79	4272205.06	7.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4483	635054.79	4272205.06	6.87	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4484	635064.79	4272205.06	6.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4485	635074.79	4272205.06	5.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4486	635084.79	4272205.06	4.04	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4487	635094.79	4272205.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4488	635104.79	4272205.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4680	635014.79	4272195.06	9.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4681	635024.79	4272195.06	8.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4682	635034.79	4272195.06	8.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4683	635044.79	4272195.06	8.30	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4684	635054.79	4272195.06	8.10	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4685	635064.79	4272195.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4686	635074.79	4272195.06	6.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4687	635084.79	4272195.06	4.53	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4688	635094.79	4272195.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4689	635104.79	4272195.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL4690	635114.79	4272195.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4882	635024.79	4272185.06	9.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4883	635034.79	4272185.06	8.82	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4884	635044.79	4272185.06	8.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4885	635054.79	4272185.06	8.34	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4886	635064.79	4272185.06	8.03	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4887	635074.79	4272185.06	6.87	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4888	635084.79	4272185.06	5.72	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4889	635094.79	4272185.06	4.65	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4890	635104.79	4272185.06	4.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4891	635114.79	4272185.06	4.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL4892	635124.79	4272185.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5085	635044.79	4272175.06	8.85	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5086	635054.79	4272175.06	8.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5087	635064.79	4272175.06	8.27	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5088	635074.79	4272175.06	7.59	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5089	635084.79	4272175.06	6.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5090	635094.79	4272175.06	6.27	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5091	635104.79	4272175.06	6.20	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5092	635114.79	4272175.06	6.14	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5093	635124.79	4272175.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5094	635134.79	4272175.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5287	635054.79	4272165.06	8.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5288	635064.79	4272165.06	8.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5289	635074.79	4272165.06	8.31	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5290	635084.79	4272165.06	8.10	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5291	635094.79	4272165.06	7.90	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5292	635104.79	4272165.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5293	635114.79	4272165.06	7.69	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5294	635124.79	4272165.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5295	635134.79	4272165.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5296	635144.79	4272165.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5297	635154.79	4272165.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5490	635074.79	4272155.06	8.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5491	635084.79	4272155.06	8.24	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5492	635094.79	4272155.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5493	635104.79	4272155.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5494	635114.79	4272155.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5495	635124.79	4272155.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5496	635134.79	4272155.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5497	635144.79	4272155.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5498	635154.79	4272155.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5499	635164.79	4272155.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5693	635094.79	4272145.06	8.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5694	635104.79	4272145.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5695	635114.79	4272145.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5696	635124.79	4272145.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5697	635134.79	4272145.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5698	635144.79	4272145.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5699	635154.79	4272145.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5700	635164.79	4272145.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5701	635174.79	4272145.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL5895	635104.79	4272135.06	8.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5896	635114.79	4272135.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5897	635124.79	4272135.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5898	635134.79	4272135.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5899	635144.79	4272135.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5900	635154.79	4272135.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5901	635164.79	4272135.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5902	635174.79	4272135.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL5903	635184.79	4272135.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6097	635114.79	4272125.06	8.22	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6098	635124.79	4272125.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6099	635134.79	4272125.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6100	635144.79	4272125.06	7.84	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6101	635154.79	4272125.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6102	635164.79	4272125.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6103	635174.79	4272125.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6104	635184.79	4272125.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6105	635194.79	4272125.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6298	635114.79	4272115.06	8.42	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6299	635124.79	4272115.06	8.31	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6300	635134.79	4272115.06	8.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6301	635144.79	4272115.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6302	635154.79	4272115.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6303	635164.79	4272115.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6304	635174.79	4272115.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6305	635184.79	4272115.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6306	635194.79	4272115.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6307	635204.79	4272115.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6498	635104.79	4272105.06	8.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6499	635114.79	4272105.06	8.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6500	635124.79	4272105.06	8.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6501	635134.79	4272105.06	8.31	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6502	635144.79	4272105.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6503	635154.79	4272105.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6504	635164.79	4272105.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6505	635174.79	4272105.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6506	635184.79	4272105.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6507	635194.79	4272105.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6508	635204.79	4272105.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6509	635214.79	4272105.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6699	635104.79	4272095.06	8.89	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6700	635114.79	4272095.06	8.76	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6701	635124.79	4272095.06	8.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6702	635134.79	4272095.06	8.41	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6703	635144.79	4272095.06	8.21	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6704	635154.79	4272095.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6705	635164.79	4272095.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6706	635174.79	4272095.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6707	635184.79	4272095.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6708	635194.79	4272095.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6709	635204.79	4272095.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6710	635214.79	4272095.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL6711	635224.79	4272095.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6900	635104.79	4272085.06	9.06	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6901	635114.79	4272085.06	8.89	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6902	635124.79	4272085.06	8.72	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6903	635134.79	4272085.06	8.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6907	635174.79	4272085.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6908	635184.79	4272085.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6909	635194.79	4272085.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6910	635204.79	4272085.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6911	635214.79	4272085.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6912	635224.79	4272085.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL6913	635234.79	4272085.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7101	635104.79	4272075.06	9.23	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL7102	635114.79	4272075.06	9.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7103	635124.79	4272075.06	8.82	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7109	635184.79	4272075.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7110	635194.79	4272075.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7111	635204.79	4272075.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7112	635214.79	4272075.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7113	635224.79	4272075.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7114	635234.79	4272075.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7115	635244.79	4272075.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7302	635104.79	4272065.06	9.29	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7303	635114.79	4272065.06	9.06	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7311	635194.79	4272065.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7312	635204.79	4272065.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL7313	635214.79	4272065.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7314	635224.79	4272065.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7315	635234.79	4272065.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7316	635244.79	4272065.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7317	635254.79	4272065.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7513	635204.79	4272055.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7514	635214.79	4272055.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7515	635224.79	4272055.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7516	635234.79	4272055.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7517	635244.79	4272055.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7518	635254.79	4272055.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7519	635264.79	4272055.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7716	635224.79	4272045.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL7717	635234.79	4272045.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7718	635244.79	4272045.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7719	635254.79	4272045.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7720	635264.79	4272045.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7721	635274.79	4272045.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7918	635234.79	4272035.06	7.84	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7919	635244.79	4272035.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7920	635254.79	4272035.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7921	635264.79	4272035.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7922	635274.79	4272035.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL7923	635284.79	4272035.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8120	635244.79	4272025.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8121	635254.79	4272025.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL8122	635264.79	4272025.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8123	635274.79	4272025.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8124	635284.79	4272025.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8125	635294.79	4272025.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8322	635254.79	4272015.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8323	635264.79	4272015.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8324	635274.79	4272015.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8325	635284.79	4272015.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8326	635294.79	4272015.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8327	635304.79	4272015.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8524	635264.79	4272005.06	7.94	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8525	635274.79	4272005.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8526	635284.79	4272005.06	6.64	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL8527	635294.79	4272005.06	5.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8528	635304.79	4272005.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8529	635314.79	4272005.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8726	635274.79	4271995.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8727	635284.79	4271995.06	7.32	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8728	635294.79	4271995.06	6.67	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8729	635304.79	4271995.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8730	635314.79	4271995.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8731	635324.79	4271995.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8928	635284.79	4271985.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8929	635294.79	4271985.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8930	635304.79	4271985.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8931	635314.79	4271985.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL8932	635324.79	4271985.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL8933	635334.79	4271985.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9130	635294.79	4271975.06	8.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9131	635304.79	4271975.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9132	635314.79	4271975.06	6.68	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9133	635324.79	4271975.06	5.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9134	635334.79	4271975.06	4.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9135	635344.79	4271975.06	4.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9332	635304.79	4271965.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9333	635314.79	4271965.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9334	635324.79	4271965.06	6.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9335	635334.79	4271965.06	6.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9336	635344.79	4271965.06	5.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL9337	635354.79	4271965.06	4.04	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9534	635314.79	4271955.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9535	635324.79	4271955.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9536	635334.79	4271955.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9537	635344.79	4271955.06	6.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9538	635354.79	4271955.06	4.53	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9539	635364.79	4271955.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9736	635324.79	4271945.06	8.15	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9737	635334.79	4271945.06	7.93	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9738	635344.79	4271945.06	6.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9739	635354.79	4271945.06	5.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9740	635364.79	4271945.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9741	635374.79	4271945.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL9938	635334.79	4271935.06	8.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9939	635344.79	4271935.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9940	635354.79	4271935.06	6.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9941	635364.79	4271935.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9942	635374.79	4271935.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL9943	635384.79	4271935.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10140	635344.79	4271925.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10141	635354.79	4271925.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10142	635364.79	4271925.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10143	635374.79	4271925.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10144	635384.79	4271925.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10145	635394.79	4271925.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10342	635354.79	4271915.06	8.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL10343	635364.79	4271915.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10344	635374.79	4271915.06	6.64	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10345	635384.79	4271915.06	5.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10346	635394.79	4271915.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10347	635404.79	4271915.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10544	635364.79	4271905.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10545	635374.79	4271905.06	7.32	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10546	635384.79	4271905.06	6.67	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10547	635394.79	4271905.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10548	635404.79	4271905.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10549	635414.79	4271905.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10746	635374.79	4271895.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10747	635384.79	4271895.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL10748	635394.79	4271895.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10749	635404.79	4271895.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10750	635414.79	4271895.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10751	635424.79	4271895.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10948	635384.79	4271885.06	8.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10949	635394.79	4271885.06	7.73	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10950	635404.79	4271885.06	6.64	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10951	635414.79	4271885.06	5.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10952	635424.79	4271885.06	4.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL10953	635434.79	4271885.06	4.01	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11150	635394.79	4271875.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11151	635404.79	4271875.06	7.32	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11152	635414.79	4271875.06	6.67	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL11153	635424.79	4271875.06	5.99	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11154	635434.79	4271875.06	4.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11155	635444.79	4271875.06	3.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11352	635404.79	4271865.06	8.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11353	635414.79	4271865.06	7.79	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11354	635424.79	4271865.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11355	635434.79	4271865.06	5.96	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11356	635444.79	4271865.06	4.44	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11357	635454.79	4271865.06	3.05	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11554	635414.79	4271855.06	7.97	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11555	635424.79	4271855.06	7.63	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11556	635434.79	4271855.06	6.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11557	635444.79	4271855.06	5.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL11558	635454.79	4271855.06	4.55	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11559	635464.79	4271855.06	4.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11756	635424.79	4271845.06	7.77	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11757	635434.79	4271845.06	7.19	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11758	635444.79	4271845.06	6.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11759	635454.79	4271845.06	6.07	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11760	635464.79	4271845.06	6.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11761	635474.79	4271845.06	5.94	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11958	635434.79	4271835.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11959	635444.79	4271835.06	7.70	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11960	635454.79	4271835.06	7.59	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11961	635464.79	4271835.06	7.49	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL11962	635474.79	4271835.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL11963	635484.79	4271835.06	7.18	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12160	635444.79	4271825.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12161	635454.79	4271825.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12162	635464.79	4271825.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12163	635474.79	4271825.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12164	635484.79	4271825.06	7.33	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12165	635494.79	4271825.06	6.35	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12362	635454.79	4271815.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12363	635464.79	4271815.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12364	635474.79	4271815.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12365	635484.79	4271815.06	7.47	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12366	635494.79	4271815.06	6.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12367	635504.79	4271815.06	6.38	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL12564	635464.79	4271805.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12565	635474.79	4271805.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12566	635484.79	4271805.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12567	635494.79	4271805.06	7.50	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12568	635504.79	4271805.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12569	635514.79	4271805.06	7.29	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12766	635474.79	4271795.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12767	635484.79	4271795.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12768	635494.79	4271795.06	7.65	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12769	635504.79	4271795.06	7.58	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12770	635514.79	4271795.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12771	635524.79	4271795.06	7.41	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12772	635534.79	4271795.06	7.30	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL12969	635494.79	4271785.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12970	635504.79	4271785.06	7.75	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12971	635514.79	4271785.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12972	635524.79	4271785.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12973	635534.79	4271785.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL12974	635544.79	4271785.06	7.37	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13171	635504.79	4271775.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13172	635514.79	4271775.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13173	635524.79	4271775.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13174	635534.79	4271775.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13175	635544.79	4271775.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13176	635554.79	4271775.06	7.50	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13177	635564.79	4271775.06	7.39	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL13373	635514.79	4271765.06	8.11	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13374	635524.79	4271765.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13375	635534.79	4271765.06	7.84	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13376	635544.79	4271765.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13377	635554.79	4271765.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13378	635564.79	4271765.06	7.51	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13379	635574.79	4271765.06	7.34	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13380	635584.79	4271765.06	6.38	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13576	635534.79	4271755.06	7.98	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13577	635544.79	4271755.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13578	635554.79	4271755.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13579	635564.79	4271755.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13580	635574.79	4271755.06	7.48	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL13581	635584.79	4271755.06	7.00	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13582	635594.79	4271755.06	6.52	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13778	635544.79	4271745.06	7.92	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13779	635554.79	4271745.06	7.81	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13780	635564.79	4271745.06	7.71	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13781	635574.79	4271745.06	7.62	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13782	635584.79	4271745.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13783	635594.79	4271745.06	7.61	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13980	635554.79	4271735.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13981	635564.79	4271735.06	7.91	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13982	635574.79	4271735.06	7.82	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13983	635584.79	4271735.06	7.78	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL13984	635594.79	4271735.06	7.75	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL14183	635574.79	4271725.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14184	635584.79	4271725.06	7.95	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14185	635594.79	4271725.06	7.88	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14385	635584.79	4271715.06	8.12	1.50	0.00253	9.98	Surface-Based	2.32	2.32
VOLUME	VOL14386	635594.79	4271715.06	8.02	1.50	0.00253	9.98	Surface-Based	2.32	2.32

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: NS_SLINE1

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000		635609.79	4271691.39	7.95	0.00
			635651.49	4271657.81	7.91	0.00
			635680.48	4271632.58	7.93	0.00
			635723.67	4271597.81	7.94	0.00
			635763.46	4271573.14	8.16	0.00
			635788.46	4271560.24	7.93	0.00
			635848.71	4271535.56	7.92	0.00
			635902.70	4271513.69	7.94	0.00
			635994.20	4271486.22	7.94	0.00
			636060.70	4271471.08	7.91	0.00
			636111.64	4271461.74	7.71	0.00
			636165.80	4271455.14	7.95	0.00
			636228.65	4271445.91	7.94	0.00
			636277.46	4271437.99	7.92	0.00
			636316.24	4271430.73	7.92	0.00
			636376.42	4271421.49	7.95	0.00
			636419.88	4271418.86	7.93	0.00
			636494.77	4271418.20	8.01	0.00
			636591.06	4271425.45	9.14	0.00
			636658.59	4271432.05	9.14	0.00
			636733.48	4271440.63	9.14	0.00
			636791.65	4271445.25	9.14	0.00
			636873.90	4271452.50	9.14	0.00
			636920.70	4271457.12	9.17	0.00
			636956.81	4271458.44	9.45	0.00
			636992.25	4271452.50	9.77	0.00
			637020.75	4271442.95	9.77	0.00
			637063.55	4271425.80	10.36	0.00
			637098.99	4271399.41	10.03	0.00
			637138.44	4271366.42	9.75	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: NS_SLINE1

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000		637162.51	4271347.95	9.75	0.00
			637091.63	4271257.56	9.59	0.00
			637030.78	4271186.96	9.31	0.00
			636988.54	4271127.79	9.21	0.00
			636939.49	4271073.91	9.21	0.00
			636851.58	4270969.14	9.45	0.00
			636748.21	4270842.42	9.15	0.00
			636695.15	4270778.00	9.14	0.00
			636618.95	4270689.75	9.14	0.00
			636610.26	4270679.19	9.14	0.00
			636596.21	4270652.79	9.14	0.00
			636588.85	4270637.61	9.29	0.00
			636582.84	4270622.44	9.65	0.00
			636574.81	4270596.04	10.52	0.00
			636571.46	4270578.22	10.66	0.00
			636566.11	4270553.14	10.38	0.00
			636562.77	4270514.87	10.37	0.00
			636560.90	4270478.85	10.37	0.00
			636565.26	4270453.06	10.36	0.00
			636578.33	4270404.71	10.67	0.00
			636600.11	4270349.90	10.67	0.00
			636622.98	4270317.66	10.67	0.00
			636651.29	4270288.65	10.67	0.00
			636668.21	4270275.06	10.67	0.00
			636693.26	4270260.02	10.67	0.00
			636732.47	4270237.45	10.67	0.00
			636757.52	4270221.33	10.67	0.00
			636782.57	4270192.32	10.67	0.00
			636809.80	4270154.70	10.67	0.00
			636852.74	4269998.67	10.81	0.00
			636870.83	4269930.25	11.18	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: NS_SLINE1

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000		636922.08	4269848.44	12.17	0.00
			636976.55	4269927.14	11.97	0.00
			637104.49	4270037.29	10.05	0.00
			637214.53	4270080.48	8.87	0.00
			637396.94	4270117.66	4.76	0.00
			637510.00	4270147.41	9.32	0.00
			637567.28	4270163.77	10.12	0.00
			637618.58	4270193.48	10.67	0.00
			637653.29	4270218.77	10.37	0.00
			637689.62	4270273.69	10.25	0.00
			637758.97	4270376.35	10.01	0.00
			637880.13	4270577.23	10.67	0.00
			637959.66	4270673.41	10.65	0.00
			638021.12	4270712.69	10.67	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: STH_SLINE3

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.44	1.00000		638041.11	4270711.05	10.67	1.70
			638071.01	4270626.75	10.67	1.70
			638111.63	4270568.50	10.67	1.70
			638146.11	4270533.24	10.67	1.70
			638192.10	4270498.75	10.73	1.70
			638258.01	4270467.33	11.37	1.70
			638361.48	4270417.51	10.69	1.70
			638469.19	4270366.98	10.67	1.70
			638507.19	4270341.07	10.67	1.70
			638543.47	4270301.34	10.67	1.70
			638564.20	4270270.25	10.67	1.70
			638591.84	4270223.61	10.67	1.70
			638603.93	4270183.88	10.67	1.70
			638607.38	4270126.87	10.37	1.70
			638607.38	4269763.79	9.45	1.70
			638602.97	4269520.04	8.53	1.70
			638604.26	4268468.31	10.68	1.70

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061323	638042.53	4270707.08	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061324	638045.35	4270699.12	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061325	638048.17	4270691.17	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061326	638050.99	4270683.21	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061327	638053.81	4270675.26	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061328	638056.63	4270667.30	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061329	638059.45	4270659.35	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061330	638062.27	4270651.39	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061331	638065.09	4270643.44	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061332	638067.91	4270635.48	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061333	638070.73	4270627.53	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061334	638075.36	4270620.50	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061335	638080.19	4270613.58	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061336	638085.01	4270606.66	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061337	638089.84	4270599.74	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061338	638094.67	4270592.81	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061339	638099.50	4270585.89	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061340	638104.33	4270578.97	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061341	638109.15	4270572.04	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061342	638114.51	4270565.56	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061343	638120.41	4270559.52	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061344	638126.31	4270553.49	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061345	638132.21	4270547.46	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061346	638138.11	4270541.42	10.67	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061347	638144.02	4270535.39	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061348	638150.47	4270529.98	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061349	638157.22	4270524.92	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061350	638163.97	4270519.85	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061351	638170.72	4270514.79	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061352	638177.47	4270509.72	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061353	638184.23	4270504.66	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061354	638190.98	4270499.60	10.70	1.70	0.00334	8.44		3.93	1.93
	L0061355	638198.45	4270495.73	10.76	1.70	0.00334	8.44		3.93	1.93
	L0061356	638206.07	4270492.09	10.84	1.70	0.00334	8.44		3.93	1.93
	L0061357	638213.69	4270488.46	10.93	1.70	0.00334	8.44		3.93	1.93
	L0061358	638221.31	4270484.83	10.90	1.70	0.00334	8.44		3.93	1.93
	L0061359	638228.93	4270481.20	10.88	1.70	0.00334	8.44		3.93	1.93
	L0061360	638236.54	4270477.57	10.95	1.70	0.00334	8.44		3.93	1.93
	L0061361	638244.16	4270473.93	11.11	1.70	0.00334	8.44		3.93	1.93
	L0061362	638251.78	4270470.30	11.15	1.70	0.00334	8.44		3.93	1.93
	L0061363	638259.40	4270466.66	11.09	1.70	0.00334	8.44		3.93	1.93
	L0061364	638267.00	4270463.00	10.94	1.70	0.00334	8.44		3.93	1.93
	L0061365	638274.61	4270459.34	10.71	1.70	0.00334	8.44		3.93	1.93
	L0061366	638282.21	4270455.68	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061367	638289.82	4270452.02	10.71	1.70	0.00334	8.44		3.93	1.93
	L0061368	638297.42	4270448.36	10.75	1.70	0.00334	8.44		3.93	1.93
	L0061369	638305.02	4270444.70	10.77	1.70	0.00334	8.44		3.93	1.93
	L0061370	638312.63	4270441.03	10.81	1.70	0.00334	8.44		3.93	1.93
	L0061371	638320.23	4270437.37	10.85	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061372	638327.84	4270433.71	10.88	1.70	0.00334	8.44		3.93	1.93
	L0061373	638335.44	4270430.05	10.91	1.70	0.00334	8.44		3.93	1.93
	L0061374	638343.05	4270426.39	10.87	1.70	0.00334	8.44		3.93	1.93
	L0061375	638350.65	4270422.73	10.80	1.70	0.00334	8.44		3.93	1.93
	L0061376	638358.26	4270419.07	10.73	1.70	0.00334	8.44		3.93	1.93
	L0061377	638365.88	4270415.45	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061378	638373.52	4270411.86	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061379	638381.16	4270408.28	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061380	638388.80	4270404.69	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061381	638396.44	4270401.11	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061382	638404.09	4270397.53	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061383	638411.73	4270393.94	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061384	638419.37	4270390.36	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061385	638427.01	4270386.77	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061386	638434.65	4270383.19	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061387	638442.29	4270379.60	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061388	638449.93	4270376.02	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061389	638457.57	4270372.43	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061390	638465.21	4270368.85	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061391	638472.53	4270364.70	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061392	638479.51	4270359.95	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061393	638486.48	4270355.19	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061394	638493.45	4270350.44	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061395	638500.43	4270345.68	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061396	638507.36	4270340.89	10.67	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061397	638513.05	4270334.65	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061398	638518.74	4270328.42	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061399	638524.43	4270322.19	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061400	638530.13	4270315.95	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061401	638535.82	4270309.72	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061402	638541.51	4270303.49	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061403	638546.54	4270296.74	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061404	638551.22	4270289.72	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061405	638555.90	4270282.69	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061406	638560.58	4270275.67	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061407	638565.18	4270268.59	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061408	638569.48	4270261.33	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061409	638573.78	4270254.07	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061410	638578.09	4270246.81	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061411	638582.39	4270239.55	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061412	638586.69	4270232.29	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061413	638590.99	4270225.03	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061414	638593.81	4270217.11	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061415	638596.27	4270209.04	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061416	638598.73	4270200.97	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061417	638601.19	4270192.89	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061418	638603.64	4270184.82	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061419	638604.38	4270176.43	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061420	638604.89	4270168.01	10.67	1.70	0.00334	8.44		3.93	1.93
	L0061421	638605.40	4270159.58	10.67	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061422	638605.91	4270151.16	10.63	1.70	0.00334	8.44		3.93	1.93
	L0061423	638606.42	4270142.74	10.55	1.70	0.00334	8.44		3.93	1.93
	L0061424	638606.93	4270134.31	10.48	1.70	0.00334	8.44		3.93	1.93
	L0061425	638607.38	4270125.88	10.41	1.70	0.00334	8.44		3.93	1.93
	L0061426	638607.38	4270117.44	10.39	1.70	0.00334	8.44		3.93	1.93
	L0061427	638607.38	4270109.00	10.38	1.70	0.00334	8.44		3.93	1.93
	L0061428	638607.38	4270100.56	10.37	1.70	0.00334	8.44		3.93	1.93
	L0061429	638607.38	4270092.12	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061430	638607.38	4270083.68	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061431	638607.38	4270075.24	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061432	638607.38	4270066.80	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061433	638607.38	4270058.36	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061434	638607.38	4270049.92	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061435	638607.38	4270041.48	10.36	1.70	0.00334	8.44		3.93	1.93
	L0061436	638607.38	4270033.04	10.34	1.70	0.00334	8.44		3.93	1.93
	L0061437	638607.38	4270024.60	10.26	1.70	0.00334	8.44		3.93	1.93
	L0061438	638607.38	4270016.16	10.17	1.70	0.00334	8.44		3.93	1.93
	L0061439	638607.38	4270007.72	10.09	1.70	0.00334	8.44		3.93	1.93
	L0061440	638607.38	4269999.28	10.06	1.70	0.00334	8.44		3.93	1.93
	L0061441	638607.38	4269990.84	10.06	1.70	0.00334	8.44		3.93	1.93
	L0061442	638607.38	4269982.40	10.06	1.70	0.00334	8.44		3.93	1.93
	L0061443	638607.38	4269973.96	10.06	1.70	0.00334	8.44		3.93	1.93
	L0061444	638607.38	4269965.52	10.06	1.70	0.00334	8.44		3.93	1.93
	L0061445	638607.38	4269957.08	10.06	1.70	0.00334	8.44		3.93	1.93
	L0061446	638607.38	4269948.64	10.06	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061447	638607.38	4269940.20	10.02	1.70	0.00334	8.44		3.93	1.93
	L0061448	638607.38	4269931.76	9.94	1.70	0.00334	8.44		3.93	1.93
	L0061449	638607.38	4269923.32	9.86	1.70	0.00334	8.44		3.93	1.93
	L0061450	638607.38	4269914.88	9.79	1.70	0.00334	8.44		3.93	1.93
	L0061451	638607.38	4269906.44	9.78	1.70	0.00334	8.44		3.93	1.93
	L0061452	638607.38	4269898.00	9.77	1.70	0.00334	8.44		3.93	1.93
	L0061453	638607.38	4269889.56	9.76	1.70	0.00334	8.44		3.93	1.93
	L0061454	638607.38	4269881.12	9.75	1.70	0.00334	8.44		3.93	1.93
	L0061455	638607.38	4269872.68	9.75	1.70	0.00334	8.44		3.93	1.93
	L0061456	638607.38	4269864.24	9.75	1.70	0.00334	8.44		3.93	1.93
	L0061457	638607.38	4269855.80	9.75	1.70	0.00334	8.44		3.93	1.93
	L0061458	638607.38	4269847.36	9.68	1.70	0.00334	8.44		3.93	1.93
	L0061459	638607.38	4269838.92	9.59	1.70	0.00334	8.44		3.93	1.93
	L0061460	638607.38	4269830.48	9.51	1.70	0.00334	8.44		3.93	1.93
	L0061461	638607.38	4269822.04	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061462	638607.38	4269813.60	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061463	638607.38	4269805.16	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061464	638607.38	4269796.72	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061465	638607.38	4269788.28	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061466	638607.38	4269779.84	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061467	638607.38	4269771.40	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061468	638607.36	4269762.96	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061469	638607.21	4269754.53	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061470	638607.06	4269746.09	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061471	638606.90	4269737.65	9.45	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061472	638606.75	4269729.21	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061473	638606.60	4269720.77	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061474	638606.45	4269712.33	9.45	1.70	0.00334	8.44		3.93	1.93
	L0061475	638606.29	4269703.89	9.44	1.70	0.00334	8.44		3.93	1.93
	L0061476	638606.14	4269695.46	9.35	1.70	0.00334	8.44		3.93	1.93
	L0061477	638605.99	4269687.02	9.27	1.70	0.00334	8.44		3.93	1.93
	L0061478	638605.84	4269678.58	9.18	1.70	0.00334	8.44		3.93	1.93
	L0061479	638605.68	4269670.14	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061480	638605.53	4269661.70	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061481	638605.38	4269653.26	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061482	638605.23	4269644.82	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061483	638605.07	4269636.38	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061484	638604.92	4269627.95	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061485	638604.77	4269619.51	9.14	1.70	0.00334	8.44		3.93	1.93
	L0061486	638604.62	4269611.07	9.10	1.70	0.00334	8.44		3.93	1.93
	L0061487	638604.46	4269602.63	9.02	1.70	0.00334	8.44		3.93	1.93
	L0061488	638604.31	4269594.19	8.93	1.70	0.00334	8.44		3.93	1.93
	L0061489	638604.16	4269585.75	8.85	1.70	0.00334	8.44		3.93	1.93
	L0061490	638604.01	4269577.31	8.84	1.70	0.00334	8.44		3.93	1.93
	L0061491	638603.85	4269568.88	8.84	1.70	0.00334	8.44		3.93	1.93
	L0061492	638603.70	4269560.44	8.84	1.70	0.00334	8.44		3.93	1.93
	L0061493	638603.55	4269552.00	8.81	1.70	0.00334	8.44		3.93	1.93
	L0061494	638603.40	4269543.56	8.72	1.70	0.00334	8.44		3.93	1.93
	L0061495	638603.24	4269535.12	8.64	1.70	0.00334	8.44		3.93	1.93
	L0061496	638603.09	4269526.68	8.55	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061497	638602.97	4269518.24	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061498	638602.98	4269509.80	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061499	638602.99	4269501.36	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061500	638603.00	4269492.92	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061501	638603.01	4269484.48	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061502	638603.02	4269476.04	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061503	638603.03	4269467.60	8.53	1.70	0.00334	8.44		3.93	1.93
	L0061504	638603.04	4269459.16	8.48	1.70	0.00334	8.44		3.93	1.93
	L0061505	638603.05	4269450.72	8.39	1.70	0.00334	8.44		3.93	1.93
	L0061506	638603.07	4269442.28	8.30	1.70	0.00334	8.44		3.93	1.93
	L0061507	638603.08	4269433.84	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061508	638603.09	4269425.40	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061509	638603.10	4269416.96	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061510	638603.11	4269408.52	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061511	638603.12	4269400.08	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061512	638603.13	4269391.64	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061513	638603.14	4269383.20	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061514	638603.15	4269374.76	8.23	1.70	0.00334	8.44		3.93	1.93
	L0061515	638603.16	4269366.32	8.14	1.70	0.00334	8.44		3.93	1.93
	L0061516	638603.17	4269357.88	8.06	1.70	0.00334	8.44		3.93	1.93
	L0061517	638603.18	4269349.44	7.97	1.70	0.00334	8.44		3.93	1.93
	L0061518	638603.19	4269341.00	7.92	1.70	0.00334	8.44		3.93	1.93
	L0061519	638603.20	4269332.56	7.92	1.70	0.00334	8.44		3.93	1.93
	L0061520	638603.21	4269324.12	7.92	1.70	0.00334	8.44		3.93	1.93
	L0061521	638603.22	4269315.68	7.92	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

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STH_SLINE3	L0061522	638603.23	4269307.24	7.92	1.70	0.00334	8.44		3.93	1.93
	L0061523	638603.24	4269298.80	7.92	1.70	0.00334	8.44		3.93	1.93
	L0061524	638603.25	4269290.36	7.92	1.70	0.00334	8.44		3.93	1.93
	L0061525	638603.26	4269281.92	7.89	1.70	0.00334	8.44		3.93	1.93
	L0061526	638603.27	4269273.48	7.81	1.70	0.00334	8.44		3.93	1.93
	L0061527	638603.28	4269265.04	7.72	1.70	0.00334	8.44		3.93	1.93
	L0061528	638603.29	4269256.60	7.64	1.70	0.00334	8.44		3.93	1.93
	L0061529	638603.30	4269248.16	7.28	1.70	0.00334	8.44		3.93	1.93
	L0061530	638603.31	4269239.72	6.85	1.70	0.00334	8.44		3.93	1.93
	L0061531	638603.32	4269231.28	6.42	1.70	0.00334	8.44		3.93	1.93
	L0061532	638603.33	4269222.84	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061533	638603.34	4269214.40	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061534	638603.35	4269205.96	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061535	638603.36	4269197.52	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061536	638603.37	4269189.08	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061537	638603.38	4269180.64	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061538	638603.40	4269172.20	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061539	638603.41	4269163.76	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061540	638603.42	4269155.32	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061541	638603.43	4269146.88	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061542	638603.44	4269138.44	6.10	1.70	0.00334	8.44		3.93	1.93
	L0061543	638603.45	4269130.00	6.35	1.70	0.00334	8.44		3.93	1.93
	L0061544	638603.46	4269121.56	6.77	1.70	0.00334	8.44		3.93	1.93
	L0061545	638603.47	4269113.12	7.20	1.70	0.00334	8.44		3.93	1.93
	L0061546	638603.48	4269104.68	7.62	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

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STH_SLINE3	L0061547	638603.49	4269096.24	7.71	1.70	0.00334	8.44		3.93	1.93
	L0061548	638603.50	4269087.80	7.79	1.70	0.00334	8.44		3.93	1.93
	L0061549	638603.51	4269079.36	7.88	1.70	0.00334	8.44		3.93	1.93
	L0061550	638603.52	4269070.92	7.97	1.70	0.00334	8.44		3.93	1.93
	L0061551	638603.53	4269062.48	8.05	1.70	0.00334	8.44		3.93	1.93
	L0061552	638603.54	4269054.04	8.14	1.70	0.00334	8.44		3.93	1.93
	L0061553	638603.55	4269045.60	8.22	1.70	0.00334	8.44		3.93	1.93
	L0061554	638603.56	4269037.16	8.39	1.70	0.00334	8.44		3.93	1.93
	L0061555	638603.57	4269028.72	8.56	1.70	0.00334	8.44		3.93	1.93
	L0061556	638603.58	4269020.28	8.73	1.70	0.00334	8.44		3.93	1.93
	L0061557	638603.59	4269011.84	8.87	1.70	0.00334	8.44		3.93	1.93
	L0061558	638603.60	4269003.40	8.96	1.70	0.00334	8.44		3.93	1.93
	L0061559	638603.61	4268994.96	9.04	1.70	0.00334	8.44		3.93	1.93
	L0061560	638603.62	4268986.52	9.13	1.70	0.00334	8.44		3.93	1.93
	L0061561	638603.63	4268978.08	9.35	1.70	0.00334	8.44		3.93	1.93
	L0061562	638603.64	4268969.64	9.61	1.70	0.00334	8.44		3.93	1.93
	L0061563	638603.65	4268961.20	9.86	1.70	0.00334	8.44		3.93	1.93
	L0061564	638603.66	4268952.76	10.18	1.70	0.00334	8.44		3.93	1.93
	L0061565	638603.67	4268944.32	10.70	1.70	0.00334	8.44		3.93	1.93
	L0061566	638603.68	4268935.88	11.22	1.70	0.00334	8.44		3.93	1.93
	L0061567	638603.69	4268927.44	11.73	1.70	0.00334	8.44		3.93	1.93
	L0061568	638603.70	4268919.00	11.94	1.70	0.00334	8.44		3.93	1.93
	L0061569	638603.71	4268910.56	12.03	1.70	0.00334	8.44		3.93	1.93
	L0061570	638603.73	4268902.12	12.12	1.70	0.00334	8.44		3.93	1.93
	L0061571	638603.74	4268893.68	12.19	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061572	638603.75	4268885.24	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061573	638603.76	4268876.80	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061574	638603.77	4268868.36	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061575	638603.78	4268859.92	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061576	638603.79	4268851.48	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061577	638603.80	4268843.04	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061578	638603.81	4268834.60	12.19	1.70	0.00334	8.44		3.93	1.93
	L0061579	638603.82	4268826.16	12.10	1.70	0.00334	8.44		3.93	1.93
	L0061580	638603.83	4268817.72	12.01	1.70	0.00334	8.44		3.93	1.93
	L0061581	638603.84	4268809.28	11.93	1.70	0.00334	8.44		3.93	1.93
	L0061582	638603.85	4268800.84	11.84	1.70	0.00334	8.44		3.93	1.93
	L0061583	638603.86	4268792.40	11.76	1.70	0.00334	8.44		3.93	1.93
	L0061584	638603.87	4268783.96	11.67	1.70	0.00334	8.44		3.93	1.93
	L0061585	638603.88	4268775.52	11.59	1.70	0.00334	8.44		3.93	1.93
	L0061586	638603.89	4268767.08	11.50	1.70	0.00334	8.44		3.93	1.93
	L0061587	638603.90	4268758.64	11.42	1.70	0.00334	8.44		3.93	1.93
	L0061588	638603.91	4268750.20	11.33	1.70	0.00334	8.44		3.93	1.93
	L0061589	638603.92	4268741.76	11.28	1.70	0.00334	8.44		3.93	1.93
	L0061590	638603.93	4268733.32	11.28	1.70	0.00334	8.44		3.93	1.93
	L0061591	638603.94	4268724.88	11.28	1.70	0.00334	8.44		3.93	1.93
	L0061592	638603.95	4268716.44	11.28	1.70	0.00334	8.44		3.93	1.93
	L0061593	638603.96	4268708.00	11.21	1.70	0.00334	8.44		3.93	1.93
	L0061594	638603.97	4268699.56	11.12	1.70	0.00334	8.44		3.93	1.93
	L0061595	638603.98	4268691.12	11.04	1.70	0.00334	8.44		3.93	1.93
	L0061596	638603.99	4268682.68	10.97	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
STH_SLINE3	L0061597	638604.00	4268674.24	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061598	638604.01	4268665.80	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061599	638604.02	4268657.36	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061600	638604.03	4268648.92	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061601	638604.04	4268640.48	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061602	638604.06	4268632.04	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061603	638604.07	4268623.60	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061604	638604.08	4268615.16	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061605	638604.09	4268606.72	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061606	638604.10	4268598.28	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061607	638604.11	4268589.84	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061608	638604.12	4268581.40	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061609	638604.13	4268572.96	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061610	638604.14	4268564.52	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061611	638604.15	4268556.08	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061612	638604.16	4268547.64	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061613	638604.17	4268539.20	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061614	638604.18	4268530.76	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061615	638604.19	4268522.32	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061616	638604.20	4268513.88	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061617	638604.21	4268505.44	10.97	1.70	0.00334	8.44		3.93	1.93
	L0061618	638604.22	4268497.00	10.89	1.70	0.00334	8.44		3.93	1.93
	L0061619	638604.23	4268488.56	10.81	1.70	0.00334	8.44		3.93	1.93
	L0061620	638604.24	4268480.12	10.72	1.70	0.00334	8.44		3.93	1.93
	L0061621	638604.25	4268471.68	10.67	1.70	0.00334	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068446	635613.08	4271688.74	7.91	0.00	0.00170	8.44		3.93	1.93
	L0068447	635619.65	4271683.45	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068448	635626.22	4271678.16	7.94	0.00	0.00170	8.44		3.93	1.93
	L0068449	635632.80	4271672.86	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068450	635639.37	4271667.57	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068451	635645.95	4271662.28	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068452	635652.49	4271656.95	7.91	0.00	0.00170	8.44		3.93	1.93
	L0068453	635658.85	4271651.40	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068454	635665.22	4271645.86	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068455	635671.59	4271640.32	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068456	635677.95	4271634.78	7.88	0.00	0.00170	8.44		3.93	1.93
	L0068457	635684.44	4271629.39	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068458	635691.02	4271624.10	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068459	635697.59	4271618.80	7.95	0.00	0.00170	8.44		3.93	1.93
	L0068460	635704.17	4271613.51	7.94	0.00	0.00170	8.44		3.93	1.93
	L0068461	635710.74	4271608.22	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068462	635717.32	4271602.93	7.91	0.00	0.00170	8.44		3.93	1.93
	L0068463	635723.91	4271597.66	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068464	635731.08	4271593.21	7.94	0.00	0.00170	8.44		3.93	1.93
	L0068465	635738.26	4271588.77	7.99	0.00	0.00170	8.44		3.93	1.93
	L0068466	635745.43	4271584.32	8.03	0.00	0.00170	8.44		3.93	1.93
	L0068467	635752.60	4271579.87	8.08	0.00	0.00170	8.44		3.93	1.93
	L0068468	635759.77	4271575.42	8.06	0.00	0.00170	8.44		3.93	1.93
	L0068469	635767.11	4271571.25	8.03	0.00	0.00170	8.44		3.93	1.93
	L0068470	635774.61	4271567.39	7.99	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068471	635782.11	4271563.52	7.96	0.00	0.00170	8.44		3.93	1.93
	L0068472	635789.66	4271559.75	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068473	635797.47	4271556.55	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068474	635805.28	4271553.35	7.83	0.00	0.00170	8.44		3.93	1.93
	L0068475	635813.09	4271550.15	7.78	0.00	0.00170	8.44		3.93	1.93
	L0068476	635820.90	4271546.95	7.80	0.00	0.00170	8.44		3.93	1.93
	L0068477	635828.71	4271543.76	7.84	0.00	0.00170	8.44		3.93	1.93
	L0068478	635836.52	4271540.56	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068479	635844.33	4271537.36	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068480	635852.14	4271534.17	7.85	0.00	0.00170	8.44		3.93	1.93
	L0068481	635859.97	4271531.00	7.80	0.00	0.00170	8.44		3.93	1.93
	L0068482	635867.79	4271527.84	7.75	0.00	0.00170	8.44		3.93	1.93
	L0068483	635875.61	4271524.67	7.72	0.00	0.00170	8.44		3.93	1.93
	L0068484	635883.43	4271521.50	7.76	0.00	0.00170	8.44		3.93	1.93
	L0068485	635891.26	4271518.33	7.79	0.00	0.00170	8.44		3.93	1.93
	L0068486	635899.08	4271515.16	7.82	0.00	0.00170	8.44		3.93	1.93
	L0068487	635907.04	4271512.39	7.84	0.00	0.00170	8.44		3.93	1.93
	L0068488	635915.13	4271509.96	7.85	0.00	0.00170	8.44		3.93	1.93
	L0068489	635923.21	4271507.54	7.88	0.00	0.00170	8.44		3.93	1.93
	L0068490	635931.29	4271505.11	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068491	635939.38	4271502.68	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068492	635947.46	4271500.25	7.81	0.00	0.00170	8.44		3.93	1.93
	L0068493	635955.54	4271497.83	7.76	0.00	0.00170	8.44		3.93	1.93
	L0068494	635963.63	4271495.40	7.72	0.00	0.00170	8.44		3.93	1.93
	L0068495	635971.71	4271492.97	7.74	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068496	635979.79	4271490.54	7.77	0.00	0.00170	8.44		3.93	1.93
	L0068497	635987.88	4271488.12	7.79	0.00	0.00170	8.44		3.93	1.93
	L0068498	635995.99	4271485.81	7.81	0.00	0.00170	8.44		3.93	1.93
	L0068499	636004.22	4271483.94	7.83	0.00	0.00170	8.44		3.93	1.93
	L0068500	636012.45	4271482.06	7.85	0.00	0.00170	8.44		3.93	1.93
	L0068501	636020.68	4271480.19	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068502	636028.91	4271478.31	7.88	0.00	0.00170	8.44		3.93	1.93
	L0068503	636037.14	4271476.44	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068504	636045.37	4271474.57	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068505	636053.60	4271472.69	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068506	636061.84	4271470.87	7.86	0.00	0.00170	8.44		3.93	1.93
	L0068507	636070.14	4271469.35	7.79	0.00	0.00170	8.44		3.93	1.93
	L0068508	636078.44	4271467.82	7.74	0.00	0.00170	8.44		3.93	1.93
	L0068509	636086.74	4271466.30	7.71	0.00	0.00170	8.44		3.93	1.93
	L0068510	636095.04	4271464.78	7.72	0.00	0.00170	8.44		3.93	1.93
	L0068511	636103.35	4271463.26	7.74	0.00	0.00170	8.44		3.93	1.93
	L0068512	636111.65	4271461.74	7.75	0.00	0.00170	8.44		3.93	1.93
	L0068513	636120.02	4271460.72	7.76	0.00	0.00170	8.44		3.93	1.93
	L0068514	636128.40	4271459.70	7.77	0.00	0.00170	8.44		3.93	1.93
	L0068515	636136.78	4271458.68	7.79	0.00	0.00170	8.44		3.93	1.93
	L0068516	636145.16	4271457.66	7.72	0.00	0.00170	8.44		3.93	1.93
	L0068517	636153.54	4271456.64	7.24	0.00	0.00170	8.44		3.93	1.93
	L0068518	636161.92	4271455.61	6.84	0.00	0.00170	8.44		3.93	1.93
	L0068519	636170.28	4271454.48	6.55	0.00	0.00170	8.44		3.93	1.93
	L0068520	636178.63	4271453.26	6.77	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068521	636186.98	4271452.03	7.24	0.00	0.00170	8.44		3.93	1.93
	L0068522	636195.33	4271450.80	7.61	0.00	0.00170	8.44		3.93	1.93
	L0068523	636203.68	4271449.57	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068524	636212.03	4271448.35	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068525	636220.38	4271447.12	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068526	636228.73	4271445.89	7.91	0.00	0.00170	8.44		3.93	1.93
	L0068527	636237.06	4271444.54	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068528	636245.39	4271443.19	7.94	0.00	0.00170	8.44		3.93	1.93
	L0068529	636253.72	4271441.84	7.94	0.00	0.00170	8.44		3.93	1.93
	L0068530	636262.05	4271440.49	7.93	0.00	0.00170	8.44		3.93	1.93
	L0068531	636270.39	4271439.14	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068532	636278.71	4271437.75	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068533	636287.01	4271436.20	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068534	636295.30	4271434.65	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068535	636303.60	4271433.10	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068536	636311.90	4271431.54	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068537	636320.21	4271430.12	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068538	636328.56	4271428.84	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068539	636336.90	4271427.56	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068540	636345.24	4271426.28	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068541	636353.58	4271425.00	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068542	636361.93	4271423.72	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068543	636370.27	4271422.44	7.88	0.00	0.00170	8.44		3.93	1.93
	L0068544	636378.63	4271421.36	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068545	636387.06	4271420.85	7.86	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068546	636395.48	4271420.34	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068547	636403.91	4271419.83	7.87	0.00	0.00170	8.44		3.93	1.93
	L0068548	636412.33	4271419.31	7.88	0.00	0.00170	8.44		3.93	1.93
	L0068549	636420.76	4271418.85	7.88	0.00	0.00170	8.44		3.93	1.93
	L0068550	636429.20	4271418.77	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068551	636437.64	4271418.70	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068552	636446.07	4271418.63	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068553	636454.51	4271418.55	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068554	636462.95	4271418.48	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068555	636471.39	4271418.40	7.89	0.00	0.00170	8.44		3.93	1.93
	L0068556	636479.83	4271418.33	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068557	636488.27	4271418.25	7.91	0.00	0.00170	8.44		3.93	1.93
	L0068558	636496.71	4271418.34	7.92	0.00	0.00170	8.44		3.93	1.93
	L0068559	636505.12	4271418.98	7.97	0.00	0.00170	8.44		3.93	1.93
	L0068560	636513.54	4271419.61	8.30	0.00	0.00170	8.44		3.93	1.93
	L0068561	636521.96	4271420.24	8.62	0.00	0.00170	8.44		3.93	1.93
	L0068562	636530.37	4271420.88	8.94	0.00	0.00170	8.44		3.93	1.93
	L0068563	636538.79	4271421.51	9.09	0.00	0.00170	8.44		3.93	1.93
	L0068564	636547.20	4271422.15	9.10	0.00	0.00170	8.44		3.93	1.93
	L0068565	636555.62	4271422.78	9.12	0.00	0.00170	8.44		3.93	1.93
	L0068566	636564.04	4271423.42	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068567	636572.45	4271424.05	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068568	636580.87	4271424.69	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068569	636589.28	4271425.32	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068570	636597.69	4271426.10	9.14	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068571	636606.09	4271426.92	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068572	636614.49	4271427.74	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068573	636622.89	4271428.56	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068574	636631.29	4271429.38	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068575	636639.69	4271430.20	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068576	636648.09	4271431.02	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068577	636656.49	4271431.85	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068578	636664.88	4271432.77	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068579	636673.26	4271433.73	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068580	636681.65	4271434.69	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068581	636690.03	4271435.65	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068582	636698.42	4271436.61	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068583	636706.80	4271437.57	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068584	636715.19	4271438.53	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068585	636723.57	4271439.49	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068586	636731.96	4271440.45	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068587	636740.37	4271441.17	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068588	636748.78	4271441.84	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068589	636757.19	4271442.51	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068590	636765.61	4271443.18	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068591	636774.02	4271443.85	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068592	636782.43	4271444.51	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068593	636790.85	4271445.18	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068594	636799.26	4271445.92	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068595	636807.66	4271446.66	9.14	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068596	636816.07	4271447.40	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068597	636824.48	4271448.14	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068598	636832.89	4271448.88	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068599	636841.29	4271449.63	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068600	636849.70	4271450.37	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068601	636858.11	4271451.11	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068602	636866.51	4271451.85	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068603	636874.92	4271452.60	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068604	636883.32	4271453.43	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068605	636891.72	4271454.26	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068606	636900.12	4271455.09	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068607	636908.52	4271455.92	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068608	636916.92	4271456.75	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068609	636925.34	4271457.29	9.15	0.00	0.00170	8.44		3.93	1.93
	L0068610	636933.77	4271457.60	9.20	0.00	0.00170	8.44		3.93	1.93
	L0068611	636942.20	4271457.91	9.25	0.00	0.00170	8.44		3.93	1.93
	L0068612	636950.64	4271458.22	9.29	0.00	0.00170	8.44		3.93	1.93
	L0068613	636959.04	4271458.07	9.37	0.00	0.00170	8.44		3.93	1.93
	L0068614	636967.37	4271456.67	9.47	0.00	0.00170	8.44		3.93	1.93
	L0068615	636975.69	4271455.28	9.56	0.00	0.00170	8.44		3.93	1.93
	L0068616	636984.02	4271453.88	9.66	0.00	0.00170	8.44		3.93	1.93
	L0068617	636992.34	4271452.47	9.70	0.00	0.00170	8.44		3.93	1.93
	L0068618	637000.34	4271449.79	9.73	0.00	0.00170	8.44		3.93	1.93
	L0068619	637008.34	4271447.11	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068620	637016.34	4271444.43	9.78	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068621	637024.27	4271441.54	9.89	0.00	0.00170	8.44		3.93	1.93
	L0068622	637032.11	4271438.40	10.00	0.00	0.00170	8.44		3.93	1.93
	L0068623	637039.94	4271435.26	10.12	0.00	0.00170	8.44		3.93	1.93
	L0068624	637047.77	4271432.12	10.23	0.00	0.00170	8.44		3.93	1.93
	L0068625	637055.61	4271428.98	10.33	0.00	0.00170	8.44		3.93	1.93
	L0068626	637063.44	4271425.84	10.40	0.00	0.00170	8.44		3.93	1.93
	L0068627	637070.23	4271420.83	10.41	0.00	0.00170	8.44		3.93	1.93
	L0068628	637076.99	4271415.79	10.40	0.00	0.00170	8.44		3.93	1.93
	L0068629	637083.76	4271410.75	10.41	0.00	0.00170	8.44		3.93	1.93
	L0068630	637090.53	4271405.70	10.39	0.00	0.00170	8.44		3.93	1.93
	L0068631	637097.30	4271400.66	10.34	0.00	0.00170	8.44		3.93	1.93
	L0068632	637103.85	4271395.34	10.27	0.00	0.00170	8.44		3.93	1.93
	L0068633	637110.33	4271389.93	10.14	0.00	0.00170	8.44		3.93	1.93
	L0068634	637116.80	4271384.51	10.05	0.00	0.00170	8.44		3.93	1.93
	L0068635	637123.28	4271379.10	10.00	0.00	0.00170	8.44		3.93	1.93
	L0068636	637129.75	4271373.69	9.94	0.00	0.00170	8.44		3.93	1.93
	L0068637	637136.22	4271368.27	9.86	0.00	0.00170	8.44		3.93	1.93
	L0068638	637142.84	4271363.04	9.76	0.00	0.00170	8.44		3.93	1.93
	L0068639	637149.54	4271357.90	9.74	0.00	0.00170	8.44		3.93	1.93
	L0068640	637156.24	4271352.76	9.77	0.00	0.00170	8.44		3.93	1.93
	L0068641	637162.19	4271347.53	9.82	0.00	0.00170	8.44		3.93	1.93
	L0068642	637156.98	4271340.89	9.86	0.00	0.00170	8.44		3.93	1.93
	L0068643	637151.77	4271334.25	9.88	0.00	0.00170	8.44		3.93	1.93
	L0068644	637146.56	4271327.61	9.87	0.00	0.00170	8.44		3.93	1.93
	L0068645	637141.36	4271320.96	9.83	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068646	637136.15	4271314.32	9.78	0.00	0.00170	8.44		3.93	1.93
	L0068647	637130.94	4271307.68	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068648	637125.73	4271301.04	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068649	637120.52	4271294.40	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068650	637115.32	4271287.76	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068651	637110.11	4271281.12	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068652	637104.90	4271274.47	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068653	637099.69	4271267.83	9.71	0.00	0.00170	8.44		3.93	1.93
	L0068654	637094.48	4271261.19	9.63	0.00	0.00170	8.44		3.93	1.93
	L0068655	637089.14	4271254.66	9.55	0.00	0.00170	8.44		3.93	1.93
	L0068656	637083.63	4271248.27	9.49	0.00	0.00170	8.44		3.93	1.93
	L0068657	637078.12	4271241.88	9.46	0.00	0.00170	8.44		3.93	1.93
	L0068658	637072.61	4271235.48	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068659	637067.10	4271229.09	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068660	637061.59	4271222.70	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068661	637056.08	4271216.30	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068662	637050.57	4271209.91	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068663	637045.06	4271203.52	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068664	637039.55	4271197.13	9.40	0.00	0.00170	8.44		3.93	1.93
	L0068665	637034.04	4271190.73	9.35	0.00	0.00170	8.44		3.93	1.93
	L0068666	637028.77	4271184.14	9.29	0.00	0.00170	8.44		3.93	1.93
	L0068667	637023.87	4271177.28	9.24	0.00	0.00170	8.44		3.93	1.93
	L0068668	637018.97	4271170.41	9.19	0.00	0.00170	8.44		3.93	1.93
	L0068669	637014.06	4271163.54	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068670	637009.16	4271156.67	9.14	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

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NS_SLINE1	L0068671	637004.25	4271149.80	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068672	636999.35	4271142.93	9.15	0.00	0.00170	8.44		3.93	1.93
	L0068673	636994.45	4271136.06	9.18	0.00	0.00170	8.44		3.93	1.93
	L0068674	636989.54	4271129.19	9.17	0.00	0.00170	8.44		3.93	1.93
	L0068675	636984.02	4271122.82	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068676	636978.34	4271116.58	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068677	636972.66	4271110.34	9.17	0.00	0.00170	8.44		3.93	1.93
	L0068678	636966.97	4271104.10	9.19	0.00	0.00170	8.44		3.93	1.93
	L0068679	636961.29	4271097.86	9.19	0.00	0.00170	8.44		3.93	1.93
	L0068680	636955.61	4271091.62	9.16	0.00	0.00170	8.44		3.93	1.93
	L0068681	636949.93	4271085.38	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068682	636944.25	4271079.14	9.20	0.00	0.00170	8.44		3.93	1.93
	L0068683	636938.61	4271072.86	9.27	0.00	0.00170	8.44		3.93	1.93
	L0068684	636933.18	4271066.39	9.33	0.00	0.00170	8.44		3.93	1.93
	L0068685	636927.76	4271059.93	9.40	0.00	0.00170	8.44		3.93	1.93
	L0068686	636922.33	4271053.46	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068687	636916.91	4271047.00	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068688	636911.48	4271040.53	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068689	636906.05	4271034.07	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068690	636900.63	4271027.60	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068691	636895.20	4271021.14	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068692	636889.78	4271014.67	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068693	636884.35	4271008.21	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068694	636878.93	4271001.74	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068695	636873.50	4270995.27	9.45	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

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NS_SLINE1	L0068696	636868.08	4270988.81	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068697	636862.65	4270982.34	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068698	636857.23	4270975.88	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068699	636851.80	4270969.41	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068700	636846.46	4270962.88	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068701	636841.13	4270956.34	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068702	636835.79	4270949.80	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068703	636830.46	4270943.26	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068704	636825.13	4270936.71	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068705	636819.79	4270930.17	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068706	636814.46	4270923.63	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068707	636809.12	4270917.09	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068708	636803.79	4270910.55	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068709	636798.45	4270904.01	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068710	636793.12	4270897.47	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068711	636787.78	4270890.93	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068712	636782.45	4270884.39	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068713	636777.12	4270877.85	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068714	636771.78	4270871.31	9.43	0.00	0.00170	8.44		3.93	1.93
	L0068715	636766.45	4270864.77	9.37	0.00	0.00170	8.44		3.93	1.93
	L0068716	636761.11	4270858.23	9.32	0.00	0.00170	8.44		3.93	1.93
	L0068717	636755.78	4270851.69	9.26	0.00	0.00170	8.44		3.93	1.93
	L0068718	636750.44	4270845.15	9.21	0.00	0.00170	8.44		3.93	1.93
	L0068719	636745.09	4270838.62	9.16	0.00	0.00170	8.44		3.93	1.93
	L0068720	636739.72	4270832.11	9.14	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068721	636734.36	4270825.60	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068722	636728.99	4270819.08	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068723	636723.62	4270812.57	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068724	636718.26	4270806.05	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068725	636712.89	4270799.54	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068726	636707.52	4270793.02	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068727	636702.16	4270786.51	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068728	636696.79	4270780.00	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068729	636691.32	4270773.57	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068730	636685.81	4270767.18	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068731	636680.29	4270760.79	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068732	636674.78	4270754.40	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068733	636669.26	4270748.02	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068734	636663.74	4270741.63	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068735	636658.23	4270735.24	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068736	636652.71	4270728.85	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068737	636647.20	4270722.46	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068738	636641.68	4270716.07	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068739	636636.17	4270709.69	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068740	636630.65	4270703.30	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068741	636625.13	4270696.91	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068742	636619.62	4270690.52	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068743	636614.24	4270684.02	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068744	636609.23	4270677.26	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068745	636605.27	4270669.81	9.14	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068746	636601.30	4270662.36	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068747	636597.34	4270654.91	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068748	636593.58	4270647.36	9.15	0.00	0.00170	8.44		3.93	1.93
	L0068749	636589.90	4270639.76	9.25	0.00	0.00170	8.44		3.93	1.93
	L0068750	636586.62	4270631.99	9.45	0.00	0.00170	8.44		3.93	1.93
	L0068751	636583.51	4270624.14	9.75	0.00	0.00170	8.44		3.93	1.93
	L0068752	636580.91	4270616.12	10.03	0.00	0.00170	8.44		3.93	1.93
	L0068753	636578.46	4270608.04	10.29	0.00	0.00170	8.44		3.93	1.93
	L0068754	636576.00	4270599.97	10.46	0.00	0.00170	8.44		3.93	1.93
	L0068755	636574.01	4270591.78	10.55	0.00	0.00170	8.44		3.93	1.93
	L0068756	636572.45	4270583.48	10.62	0.00	0.00170	8.44		3.93	1.93
	L0068757	636570.82	4270575.20	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068758	636569.06	4270566.95	10.60	0.00	0.00170	8.44		3.93	1.93
	L0068759	636567.30	4270558.69	10.52	0.00	0.00170	8.44		3.93	1.93
	L0068760	636565.87	4270550.39	10.43	0.00	0.00170	8.44		3.93	1.93
	L0068761	636565.14	4270541.98	10.38	0.00	0.00170	8.44		3.93	1.93
	L0068762	636564.40	4270533.57	10.37	0.00	0.00170	8.44		3.93	1.93
	L0068763	636563.67	4270525.17	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068764	636562.94	4270516.76	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068765	636562.43	4270508.33	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068766	636561.99	4270499.91	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068767	636561.56	4270491.48	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068768	636561.12	4270483.05	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068769	636561.61	4270474.67	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068770	636563.01	4270466.35	10.36	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068771	636564.42	4270458.03	10.37	0.00	0.00170	8.44		3.93	1.93
	L0068772	636566.14	4270449.78	10.43	0.00	0.00170	8.44		3.93	1.93
	L0068773	636568.35	4270441.63	10.52	0.00	0.00170	8.44		3.93	1.93
	L0068774	636570.55	4270433.48	10.60	0.00	0.00170	8.44		3.93	1.93
	L0068775	636572.75	4270425.33	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068776	636574.95	4270417.19	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068777	636577.15	4270409.04	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068778	636579.79	4270401.03	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068779	636582.90	4270393.19	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068780	636586.02	4270385.35	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068781	636589.14	4270377.50	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068782	636592.25	4270369.66	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068783	636595.37	4270361.82	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068784	636598.49	4270353.97	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068785	636602.46	4270346.59	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068786	636607.34	4270339.71	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068787	636612.22	4270332.82	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068788	636617.11	4270325.94	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068789	636621.99	4270319.06	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068790	636627.68	4270312.85	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068791	636633.57	4270306.81	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068792	636639.47	4270300.77	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068793	636645.36	4270294.73	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068794	636651.26	4270288.69	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068795	636657.84	4270283.40	10.67	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068796	636664.42	4270278.11	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068797	636671.27	4270273.22	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068798	636678.51	4270268.88	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068799	636685.75	4270264.53	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068800	636692.98	4270260.19	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068801	636700.29	4270255.97	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068802	636707.61	4270251.76	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068803	636714.92	4270247.55	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068804	636722.24	4270243.34	10.68	0.00	0.00170	8.44		3.93	1.93
	L0068805	636729.55	4270239.13	10.70	0.00	0.00170	8.44		3.93	1.93
	L0068806	636736.74	4270234.71	10.69	0.00	0.00170	8.44		3.93	1.93
	L0068807	636743.83	4270230.14	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068808	636750.93	4270225.57	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068809	636757.92	4270220.88	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068810	636763.43	4270214.49	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068811	636768.95	4270208.10	10.68	0.00	0.00170	8.44		3.93	1.93
	L0068812	636774.46	4270201.71	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068813	636779.98	4270195.32	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068814	636785.19	4270188.70	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068815	636790.14	4270181.86	10.68	0.00	0.00170	8.44		3.93	1.93
	L0068816	636795.09	4270175.02	10.70	0.00	0.00170	8.44		3.93	1.93
	L0068817	636800.04	4270168.19	10.69	0.00	0.00170	8.44		3.93	1.93
	L0068818	636804.99	4270161.35	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068819	636809.86	4270154.48	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068820	636812.10	4270146.34	10.67	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068821	636814.34	4270138.20	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068822	636816.58	4270130.06	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068823	636818.82	4270121.93	10.68	0.00	0.00170	8.44		3.93	1.93
	L0068824	636821.06	4270113.79	10.72	0.00	0.00170	8.44		3.93	1.93
	L0068825	636823.30	4270105.65	10.74	0.00	0.00170	8.44		3.93	1.93
	L0068826	636825.54	4270097.51	10.75	0.00	0.00170	8.44		3.93	1.93
	L0068827	636827.78	4270089.38	10.73	0.00	0.00170	8.44		3.93	1.93
	L0068828	636830.02	4270081.24	10.71	0.00	0.00170	8.44		3.93	1.93
	L0068829	636832.26	4270073.10	10.69	0.00	0.00170	8.44		3.93	1.93
	L0068830	636834.50	4270064.96	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068831	636836.74	4270056.83	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068832	636838.97	4270048.69	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068833	636841.21	4270040.55	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068834	636843.45	4270032.41	10.69	0.00	0.00170	8.44		3.93	1.93
	L0068835	636845.69	4270024.28	10.73	0.00	0.00170	8.44		3.93	1.93
	L0068836	636847.93	4270016.14	10.77	0.00	0.00170	8.44		3.93	1.93
	L0068837	636850.17	4270008.00	10.79	0.00	0.00170	8.44		3.93	1.93
	L0068838	636852.41	4269999.86	10.84	0.00	0.00170	8.44		3.93	1.93
	L0068839	636854.58	4269991.71	10.90	0.00	0.00170	8.44		3.93	1.93
	L0068840	636856.74	4269983.55	10.96	0.00	0.00170	8.44		3.93	1.93
	L0068841	636858.89	4269975.39	11.02	0.00	0.00170	8.44		3.93	1.93
	L0068842	636861.05	4269967.23	11.02	0.00	0.00170	8.44		3.93	1.93
	L0068843	636863.21	4269959.07	10.99	0.00	0.00170	8.44		3.93	1.93
	L0068844	636865.37	4269950.91	10.97	0.00	0.00170	8.44		3.93	1.93
	L0068845	636867.52	4269942.75	11.00	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068846	636869.68	4269934.59	11.14	0.00	0.00170	8.44		3.93	1.93
	L0068847	636872.93	4269926.90	11.32	0.00	0.00170	8.44		3.93	1.93
	L0068848	636877.41	4269919.75	11.57	0.00	0.00170	8.44		3.93	1.93
	L0068849	636881.89	4269912.60	11.79	0.00	0.00170	8.44		3.93	1.93
	L0068850	636886.37	4269905.45	11.84	0.00	0.00170	8.44		3.93	1.93
	L0068851	636890.85	4269898.29	11.91	0.00	0.00170	8.44		3.93	1.93
	L0068852	636895.33	4269891.14	11.94	0.00	0.00170	8.44		3.93	1.93
	L0068853	636899.81	4269883.99	11.84	0.00	0.00170	8.44		3.93	1.93
	L0068854	636904.29	4269876.84	11.89	0.00	0.00170	8.44		3.93	1.93
	L0068855	636908.77	4269869.68	11.97	0.00	0.00170	8.44		3.93	1.93
	L0068856	636913.26	4269862.53	12.06	0.00	0.00170	8.44		3.93	1.93
	L0068857	636917.74	4269855.38	12.18	0.00	0.00170	8.44		3.93	1.93
	L0068858	636922.23	4269848.65	12.13	0.00	0.00170	8.44		3.93	1.93
	L0068859	636927.03	4269855.59	12.18	0.00	0.00170	8.44		3.93	1.93
	L0068860	636931.83	4269862.53	12.08	0.00	0.00170	8.44		3.93	1.93
	L0068861	636936.64	4269869.47	12.02	0.00	0.00170	8.44		3.93	1.93
	L0068862	636941.44	4269876.41	12.01	0.00	0.00170	8.44		3.93	1.93
	L0068863	636946.24	4269883.35	12.04	0.00	0.00170	8.44		3.93	1.93
	L0068864	636951.05	4269890.29	12.14	0.00	0.00170	8.44		3.93	1.93
	L0068865	636955.85	4269897.23	12.18	0.00	0.00170	8.44		3.93	1.93
	L0068866	636960.65	4269904.17	12.15	0.00	0.00170	8.44		3.93	1.93
	L0068867	636965.46	4269911.11	12.09	0.00	0.00170	8.44		3.93	1.93
	L0068868	636970.26	4269918.05	12.01	0.00	0.00170	8.44		3.93	1.93
	L0068869	636975.06	4269924.99	11.95	0.00	0.00170	8.44		3.93	1.93
	L0068870	636980.97	4269930.94	11.90	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068871	636987.36	4269936.45	11.83	0.00	0.00170	8.44		3.93	1.93
	L0068872	636993.76	4269941.96	11.70	0.00	0.00170	8.44		3.93	1.93
	L0068873	637000.15	4269947.46	11.51	0.00	0.00170	8.44		3.93	1.93
	L0068874	637006.55	4269952.97	11.31	0.00	0.00170	8.44		3.93	1.93
	L0068875	637012.95	4269958.48	11.15	0.00	0.00170	8.44		3.93	1.93
	L0068876	637019.34	4269963.98	11.03	0.00	0.00170	8.44		3.93	1.93
	L0068877	637025.74	4269969.49	10.91	0.00	0.00170	8.44		3.93	1.93
	L0068878	637032.14	4269975.00	10.79	0.00	0.00170	8.44		3.93	1.93
	L0068879	637038.53	4269980.50	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068880	637044.93	4269986.01	10.55	0.00	0.00170	8.44		3.93	1.93
	L0068881	637051.32	4269991.52	10.42	0.00	0.00170	8.44		3.93	1.93
	L0068882	637057.72	4269997.02	10.30	0.00	0.00170	8.44		3.93	1.93
	L0068883	637064.12	4270002.53	10.18	0.00	0.00170	8.44		3.93	1.93
	L0068884	637070.51	4270008.04	10.09	0.00	0.00170	8.44		3.93	1.93
	L0068885	637076.91	4270013.54	10.04	0.00	0.00170	8.44		3.93	1.93
	L0068886	637083.30	4270019.05	10.01	0.00	0.00170	8.44		3.93	1.93
	L0068887	637089.70	4270024.55	10.00	0.00	0.00170	8.44		3.93	1.93
	L0068888	637096.10	4270030.06	10.02	0.00	0.00170	8.44		3.93	1.93
	L0068889	637102.49	4270035.57	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068890	637109.89	4270039.41	10.00	0.00	0.00170	8.44		3.93	1.93
	L0068891	637117.75	4270042.49	9.92	0.00	0.00170	8.44		3.93	1.93
	L0068892	637125.61	4270045.57	9.84	0.00	0.00170	8.44		3.93	1.93
	L0068893	637133.46	4270048.66	9.76	0.00	0.00170	8.44		3.93	1.93
	L0068894	637141.32	4270051.74	9.68	0.00	0.00170	8.44		3.93	1.93
	L0068895	637149.18	4270054.83	9.60	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068896	637157.03	4270057.91	9.52	0.00	0.00170	8.44		3.93	1.93
	L0068897	637164.89	4270060.99	9.44	0.00	0.00170	8.44		3.93	1.93
	L0068898	637172.75	4270064.08	9.36	0.00	0.00170	8.44		3.93	1.93
	L0068899	637180.60	4270067.16	9.29	0.00	0.00170	8.44		3.93	1.93
	L0068900	637188.46	4270070.24	9.21	0.00	0.00170	8.44		3.93	1.93
	L0068901	637196.32	4270073.33	9.12	0.00	0.00170	8.44		3.93	1.93
	L0068902	637204.17	4270076.41	9.04	0.00	0.00170	8.44		3.93	1.93
	L0068903	637212.03	4270079.50	8.96	0.00	0.00170	8.44		3.93	1.93
	L0068904	637220.17	4270081.63	8.88	0.00	0.00170	8.44		3.93	1.93
	L0068905	637228.44	4270083.31	8.75	0.00	0.00170	8.44		3.93	1.93
	L0068906	637236.71	4270085.00	8.58	0.00	0.00170	8.44		3.93	1.93
	L0068907	637244.98	4270086.68	8.41	0.00	0.00170	8.44		3.93	1.93
	L0068908	637253.25	4270088.37	8.24	0.00	0.00170	8.44		3.93	1.93
	L0068909	637261.52	4270090.06	8.15	0.00	0.00170	8.44		3.93	1.93
	L0068910	637269.79	4270091.74	8.07	0.00	0.00170	8.44		3.93	1.93
	L0068911	637278.06	4270093.43	7.98	0.00	0.00170	8.44		3.93	1.93
	L0068912	637286.33	4270095.11	7.90	0.00	0.00170	8.44		3.93	1.93
	L0068913	637294.60	4270096.80	7.75	0.00	0.00170	8.44		3.93	1.93
	L0068914	637302.87	4270098.49	7.50	0.00	0.00170	8.44		3.93	1.93
	L0068915	637311.14	4270100.17	7.17	0.00	0.00170	8.44		3.93	1.93
	L0068916	637319.41	4270101.86	6.49	0.00	0.00170	8.44		3.93	1.93
	L0068917	637327.68	4270103.54	5.75	0.00	0.00170	8.44		3.93	1.93
	L0068918	637335.94	4270105.23	5.11	0.00	0.00170	8.44		3.93	1.93
	L0068919	637344.21	4270106.92	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068920	637352.48	4270108.60	4.57	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068921	637360.75	4270110.29	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068922	637369.02	4270111.97	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068923	637377.29	4270113.66	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068924	637385.56	4270115.34	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068925	637393.83	4270117.03	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068926	637402.04	4270119.01	4.57	0.00	0.00170	8.44		3.93	1.93
	L0068927	637410.20	4270121.15	5.31	0.00	0.00170	8.44		3.93	1.93
	L0068928	637418.36	4270123.30	6.30	0.00	0.00170	8.44		3.93	1.93
	L0068929	637426.52	4270125.45	7.32	0.00	0.00170	8.44		3.93	1.93
	L0068930	637434.69	4270127.60	8.19	0.00	0.00170	8.44		3.93	1.93
	L0068931	637442.85	4270129.74	8.34	0.00	0.00170	8.44		3.93	1.93
	L0068932	637451.01	4270131.89	8.51	0.00	0.00170	8.44		3.93	1.93
	L0068933	637459.17	4270134.04	8.71	0.00	0.00170	8.44		3.93	1.93
	L0068934	637467.33	4270136.19	8.89	0.00	0.00170	8.44		3.93	1.93
	L0068935	637475.50	4270138.33	9.01	0.00	0.00170	8.44		3.93	1.93
	L0068936	637483.66	4270140.48	9.14	0.00	0.00170	8.44		3.93	1.93
	L0068937	637491.82	4270142.63	9.29	0.00	0.00170	8.44		3.93	1.93
	L0068938	637499.98	4270144.78	9.31	0.00	0.00170	8.44		3.93	1.93
	L0068939	637508.15	4270146.92	9.26	0.00	0.00170	8.44		3.93	1.93
	L0068940	637516.27	4270149.20	9.21	0.00	0.00170	8.44		3.93	1.93
	L0068941	637524.39	4270151.52	9.15	0.00	0.00170	8.44		3.93	1.93
	L0068942	637532.50	4270153.84	9.32	0.00	0.00170	8.44		3.93	1.93
	L0068943	637540.62	4270156.16	9.50	0.00	0.00170	8.44		3.93	1.93
	L0068944	637548.73	4270158.47	9.67	0.00	0.00170	8.44		3.93	1.93
	L0068945	637556.85	4270160.79	9.84	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068946	637564.96	4270163.11	10.09	0.00	0.00170	8.44		3.93	1.93
	L0068947	637572.50	4270166.79	10.32	0.00	0.00170	8.44		3.93	1.93
	L0068948	637579.80	4270171.02	10.54	0.00	0.00170	8.44		3.93	1.93
	L0068949	637587.11	4270175.26	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068950	637594.41	4270179.49	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068951	637601.71	4270183.72	10.67	0.00	0.00170	8.44		3.93	1.93
	L0068952	637609.02	4270187.95	10.64	0.00	0.00170	8.44		3.93	1.93
	L0068953	637616.32	4270192.18	10.59	0.00	0.00170	8.44		3.93	1.93
	L0068954	637623.29	4270196.92	10.55	0.00	0.00170	8.44		3.93	1.93
	L0068955	637630.11	4270201.89	10.50	0.00	0.00170	8.44		3.93	1.93
	L0068956	637636.93	4270206.86	10.45	0.00	0.00170	8.44		3.93	1.93
	L0068957	637643.76	4270211.83	10.39	0.00	0.00170	8.44		3.93	1.93
	L0068958	637650.58	4270216.79	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068959	637656.09	4270223.01	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068960	637660.75	4270230.05	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068961	637665.41	4270237.09	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068962	637670.07	4270244.13	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068963	637674.72	4270251.17	10.36	0.00	0.00170	8.44		3.93	1.93
	L0068964	637679.38	4270258.20	10.34	0.00	0.00170	8.44		3.93	1.93
	L0068965	637684.04	4270265.24	10.29	0.00	0.00170	8.44		3.93	1.93
	L0068966	637688.70	4270272.28	10.23	0.00	0.00170	8.44		3.93	1.93
	L0068967	637693.41	4270279.29	10.17	0.00	0.00170	8.44		3.93	1.93
	L0068968	637698.13	4270286.28	10.12	0.00	0.00170	8.44		3.93	1.93
	L0068969	637702.85	4270293.27	10.07	0.00	0.00170	8.44		3.93	1.93
	L0068970	637707.58	4270300.27	10.06	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068971	637712.30	4270307.26	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068972	637717.03	4270314.26	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068973	637721.75	4270321.25	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068974	637726.47	4270328.24	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068975	637731.20	4270335.24	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068976	637735.92	4270342.23	10.04	0.00	0.00170	8.44		3.93	1.93
	L0068977	637740.65	4270349.23	10.02	0.00	0.00170	8.44		3.93	1.93
	L0068978	637745.37	4270356.22	10.02	0.00	0.00170	8.44		3.93	1.93
	L0068979	637750.09	4270363.22	10.05	0.00	0.00170	8.44		3.93	1.93
	L0068980	637754.82	4270370.21	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068981	637759.50	4270377.23	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068982	637763.86	4270384.46	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068983	637768.22	4270391.69	10.05	0.00	0.00170	8.44		3.93	1.93
	L0068984	637772.57	4270398.91	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068985	637776.93	4270406.14	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068986	637781.29	4270413.37	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068987	637785.65	4270420.59	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068988	637790.01	4270427.82	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068989	637794.37	4270435.05	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068990	637798.73	4270442.28	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068991	637803.09	4270449.50	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068992	637807.45	4270456.73	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068993	637811.81	4270463.96	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068994	637816.17	4270471.18	10.06	0.00	0.00170	8.44		3.93	1.93
	L0068995	637820.53	4270478.41	10.06	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0068996	637824.88	4270485.64	10.07	0.00	0.00170	8.44		3.93	1.93
	L0068997	637829.24	4270492.87	10.18	0.00	0.00170	8.44		3.93	1.93
	L0068998	637833.60	4270500.09	10.26	0.00	0.00170	8.44		3.93	1.93
	L0068999	637837.96	4270507.32	10.32	0.00	0.00170	8.44		3.93	1.93
	L0069000	637842.32	4270514.55	10.36	0.00	0.00170	8.44		3.93	1.93
	L0069001	637846.68	4270521.77	10.36	0.00	0.00170	8.44		3.93	1.93
	L0069002	637851.04	4270529.00	10.36	0.00	0.00170	8.44		3.93	1.93
	L0069003	637855.40	4270536.23	10.37	0.00	0.00170	8.44		3.93	1.93
	L0069004	637859.76	4270543.46	10.42	0.00	0.00170	8.44		3.93	1.93
	L0069005	637864.12	4270550.68	10.51	0.00	0.00170	8.44		3.93	1.93
	L0069006	637868.48	4270557.91	10.58	0.00	0.00170	8.44		3.93	1.93
	L0069007	637872.83	4270565.14	10.63	0.00	0.00170	8.44		3.93	1.93
	L0069008	637877.19	4270572.36	10.66	0.00	0.00170	8.44		3.93	1.93
	L0069009	637881.89	4270579.36	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069010	637887.26	4270585.86	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069011	637892.64	4270592.36	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069012	637898.02	4270598.87	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069013	637903.40	4270605.37	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069014	637908.78	4270611.88	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069015	637914.16	4270618.38	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069016	637919.53	4270624.89	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069017	637924.91	4270631.39	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069018	637930.29	4270637.90	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069019	637935.67	4270644.40	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069020	637941.05	4270650.90	10.67	0.00	0.00170	8.44		3.93	1.93

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
NS_SLINE1	L0069021	637946.43	4270657.41	10.66	0.00	0.00170	8.44		3.93	1.93
	L0069022	637951.80	4270663.91	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069023	637957.18	4270670.42	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069024	637963.50	4270675.86	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069025	637970.61	4270680.41	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069026	637977.72	4270684.96	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069027	637984.83	4270689.50	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069028	637991.94	4270694.05	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069029	637999.05	4270698.59	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069030	638006.16	4270703.14	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069031	638013.28	4270707.68	10.67	0.00	0.00170	8.44		3.93	1.93
	L0069032	638020.39	4270712.23	10.67	0.00	0.00170	8.44		3.93	1.93

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: Volume	List of Sources in Group (Source Range or Single Sources)
	VOL3673
	VOL3674
	VOL3675
	VOL3676
	VOL3874
	VOL3875
	VOL3876
	VOL3877
	VOL3878
	VOL3879
	VOL3880
	VOL4075
	VOL4076
	VOL4077
	VOL4078
	VOL4079
	VOL4080
	VOL4081
	VOL4082
	VOL4083
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	VOL4278
	VOL4279
	VOL4280
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	VOL4283
	VOL4284
	VOL4285
	VOL4286
	VOL4478
	VOL4479
	VOL4480
	VOL4481
	VOL4482
	VOL4483
	VOL4484
	VOL4485
	VOL4486
	VOL4487
	VOL4488
	VOL4680
	VOL4681

VOL4682
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VOL11356
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VOL11554
VOL11555
VOL11556
VOL11557
VOL11558
VOL11559
VOL11756
VOL11757
VOL11758
VOL11759
VOL11760
VOL11761
VOL11958
VOL11959
VOL11960
VOL11961
VOL11962
VOL11963

VOL12160
VOL12161
VOL12162
VOL12163
VOL12164
VOL12165
VOL12362
VOL12363
VOL12364
VOL12365
VOL12366
VOL12367
VOL12564
VOL12565
VOL12566
VOL12567
VOL12568
VOL12569
VOL12766
VOL12767
VOL12768
VOL12769
VOL12770
VOL12771
VOL12772
VOL12969
VOL12970
VOL12971
VOL12972
VOL12973
VOL12974
VOL13171
VOL13172
VOL13173
VOL13174
VOL13175
VOL13176
VOL13177
VOL13373
VOL13374
VOL13375
VOL13376
VOL13377
VOL13378
VOL13379
VOL13380
VOL13576

	VOL13577
	VOL13578
	VOL13579
	VOL13580
	VOL13581
	VOL13582
	VOL13778
	VOL13779
	VOL13780
	VOL13781
	VOL13782
	VOL13783
	VOL13980
	VOL13981
	VOL13982
	VOL13983
	VOL13984
	VOL14183
	VOL14184
	VOL14185
	VOL14385
	VOL14386

Source Group ID: **Sline**	List of Sources in Group (Source Range or Single Sources)
	NS_SLINE1
	STH_SLINE3

Source Group ID: **ALL**	List of Sources in Group (Source Range or Single Sources)
	All Sources Included

Variable Emissions

Hourly Emission Rate Variation

Scenario: Sline

Source ID:	NS_SLINE1					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	STH_SLINE3					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Volume

Source ID:	VOL3673					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL3674					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL3675					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL3676					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL3874					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL3875						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3876**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3877**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3878**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3879**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL3880**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4075**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4076**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL4076						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4077**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4078**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4079**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4080**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4081**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4082**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4083**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL4276					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4277					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4278					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4279					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4280					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4281					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4282					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4283					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL4283						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4284**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4285**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4286**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4478**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4479**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4480**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4481**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL4481						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4482**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4483**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4484**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4485**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4486**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4487**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4488**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4680						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4681						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4682						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4683						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4684						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4685						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4686						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4687						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL4687						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4688**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4689**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4690**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4882**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4883**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4884**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL4885**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL4886					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4887					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4888					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4889					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4890					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4891					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL4892					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5085					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5085						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5086**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5087**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5088**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5089**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5090**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5091**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5092**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL5092						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5093**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5094**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5287**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5288**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5289**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5290**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5291**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL5292						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5293**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5294**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5295**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5296**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5297**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5490**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5491**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL5491						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5492**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5493**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5494**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5495**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5496**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5497**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5498**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL5499					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5693					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5694					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5695					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5696					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5697					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5698					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5699					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL5699						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5700**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5701**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5895**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5896**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5897**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5898**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL5899**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL5899						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5900						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5901						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5902						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL5903						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6097						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6098						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6099						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL6100						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6101**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6102**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6103**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6104**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6105**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6298**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6299**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL6299						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6300**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6301**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6302**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6303**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6304**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6305**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6306**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL6307						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6498**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6499**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6500**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6501**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6502**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6503**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6504**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6504						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6505**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6506**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6507**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6508**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6509**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6699**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6700**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL6700						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6701						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6702						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6703						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6704						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6705						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6706						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL6707						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL6708						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6709**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6710**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6711**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6900**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6901**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6902**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6903**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL6903						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6907**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6908**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6909**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6910**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6911**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6912**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL6913**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL7101						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7102**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7103**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7109**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7110**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7111**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7112**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7113**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7113						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7114**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7115**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7302**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7303**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7311**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7312**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7313**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL7313						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7314						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7315						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7316						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7317						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7513						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7514						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7515						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL7516						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7517**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7518**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7519**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7716**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7717**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7718**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7719**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL7719						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7720**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7721**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7918**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7919**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7920**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7921**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL7922**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL7923						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8120						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8121						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8122						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8123						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8124						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8125						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8322						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL8322						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8323**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8324**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8325**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8326**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8327**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8524**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8525**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL8525						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8526						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8527						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8528						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8529						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8726						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8727						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL8728						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL8729						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8730**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8731**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8928**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8929**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8930**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8931**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8932**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL8932						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL8933**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9130**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9131**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9132**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9133**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9134**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9135**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL9332						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9333**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9334**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9335**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9336**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9337**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9534**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9535**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9535						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9536**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9537**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9538**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9539**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9736**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9737**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9738**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL9738						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9739						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9740						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9741						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9938						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9939						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9940						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL9941						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL9942						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL9943**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10140**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10141**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10142**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10143**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10144**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10145**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL10145						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10342**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10343**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10344**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10345**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10346**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10347**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10544**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10545					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10546					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10547					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10548					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10549					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10746					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10747					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10748					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL10748						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10749**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10750**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10751**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10948**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10949**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10950**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL10951**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL10951					
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10952					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL10953					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11150					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11151					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11152					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11153					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11154					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL11155						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11352**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11353**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11354**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11355**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11356**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11357**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11554**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL11554						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11555**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11556**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11557**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11558**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11559**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11756**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11757**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL11758					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11759					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11760					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11761					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11958					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11959					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11960					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL11961					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL11961						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11962**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL11963**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12160**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12161**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12162**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12163**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12164**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

Source ID:	VOL12164						
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12165**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12362**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12363**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12364**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12365**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12366**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12367**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL12564						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12565**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12566**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12567**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12568**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12569**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12766**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12767**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source ID:	VOL12767						
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12768**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12769**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12770**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12771**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12772**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12969**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL12970**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL12971					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12972					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12973					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL12974					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13171					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13172					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13173					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13174					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL13174						
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13175**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13176**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13177**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13373**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13374**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13375**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13376**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00

Source ID:	VOL13376					
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13377					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13378					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13379					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13380					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13576					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13577					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13578					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL13579						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13580**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13581**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13582**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13778**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13779**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13780**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**VOL13781**						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Source ID:	VOL13781					
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13782					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13783					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13980					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13981					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13982					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13983					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL13984					
1 to 6	0.00	0.00	0.00	0.00	0.00	0.00
7 to 12	1.00	1.00	1.00	1.00	1.00	1.00
13 to 18	1.00	1.00	1.00	1.00	1.00	0.00
19 to 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Source ID:	VOL14183						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14184						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14185						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14385						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Source ID:	VOL14386						
1 to 6		0.00	0.00	0.00	0.00	0.00	0.00
7 to 12		1.00	1.00	1.00	1.00	1.00	1.00
13 to 18		1.00	1.00	1.00	1.00	1.00	0.00
19 to 24		0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	636686.16	4269592.29	UCART1	10.96	
2	636726.16	4269592.29	UCART1	10.99	
3	636766.16	4269592.29	UCART1	11.98	
4	637126.16	4269592.29	UCART1	10.44	
5	637166.16	4269592.29	UCART1	10.27	
6	637206.16	4269592.29	UCART1	9.93	
7	637246.16	4269592.29	UCART1	9.53	
8	637286.16	4269592.29	UCART1	9.12	
9	637326.16	4269592.29	UCART1	8.72	
10	638446.16	4269592.29	UCART1	8.84	
11	638526.16	4269592.29	UCART1	8.91	
12	636766.16	4269632.29	UCART1	11.89	
13	637166.16	4269632.29	UCART1	10.05	
14	637206.16	4269632.29	UCART1	9.76	
15	637246.16	4269632.29	UCART1	9.35	
16	637286.16	4269632.29	UCART1	8.95	
17	637326.16	4269632.29	UCART1	8.54	
18	637726.16	4269632.29	UCART1	8.50	
19	637766.16	4269632.29	UCART1	8.53	
20	637806.16	4269632.29	UCART1	8.61	
21	637846.16	4269632.29	UCART1	8.71	
22	637886.16	4269632.29	UCART1	8.84	
23	637926.16	4269632.29	UCART1	8.91	
24	637966.16	4269632.29	UCART1	9.02	
25	638006.16	4269632.29	UCART1	9.03	
26	638046.16	4269632.29	UCART1	9.14	
27	638086.16	4269632.29	UCART1	9.14	
28	638126.16	4269632.29	UCART1	9.14	
29	638166.16	4269632.29	UCART1	9.14	
30	638206.16	4269632.29	UCART1	9.14	

31	638246.16	4269632.29	UCART1	9.14
32	638286.16	4269632.29	UCART1	9.09
33	638326.16	4269632.29	UCART1	9.02
34	638366.16	4269632.29	UCART1	9.02
35	638406.16	4269632.29	UCART1	9.02
36	638446.16	4269632.29	UCART1	9.02
37	638486.16	4269632.29	UCART1	9.14
38	638526.16	4269632.29	UCART1	9.14
39	638566.16	4269632.29	UCART1	9.14
40	636686.16	4269672.29	UCART1	11.30
41	636726.16	4269672.29	UCART1	11.56
42	637206.16	4269672.29	UCART1	9.63
43	637246.16	4269672.29	UCART1	9.22
44	637286.16	4269672.29	UCART1	8.82
45	637326.16	4269672.29	UCART1	8.41
46	637366.16	4269672.29	UCART1	8.02
47	637686.16	4269672.29	UCART1	8.35
48	637766.16	4269672.29	UCART1	8.81
49	637806.16	4269672.29	UCART1	8.82
50	637846.16	4269672.29	UCART1	8.84
51	637886.16	4269672.29	UCART1	9.12
52	637926.16	4269672.29	UCART1	9.13
53	637966.16	4269672.29	UCART1	9.14
54	638006.16	4269672.29	UCART1	9.14
55	638046.16	4269672.29	UCART1	9.14
56	638086.16	4269672.29	UCART1	9.14
57	638126.16	4269672.29	UCART1	9.14
58	638166.16	4269672.29	UCART1	9.14
59	638206.16	4269672.29	UCART1	9.14
60	638246.16	4269672.29	UCART1	9.14
61	638286.16	4269672.29	UCART1	9.14
62	638326.16	4269672.29	UCART1	9.14
63	638366.16	4269672.29	UCART1	9.14
64	638406.16	4269672.29	UCART1	9.14
65	638446.16	4269672.29	UCART1	9.14
66	638486.16	4269672.29	UCART1	9.14
67	638526.16	4269672.29	UCART1	9.14
68	638566.16	4269672.29	UCART1	9.14

69	636686.16	4269712.29	UCART1	11.58
70	636726.16	4269712.29	UCART1	11.71
71	636766.16	4269712.29	UCART1	11.94
72	637286.16	4269712.29	UCART1	8.74
73	637326.16	4269712.29	UCART1	8.37
74	637366.16	4269712.29	UCART1	8.00
75	637686.16	4269712.29	UCART1	8.66
76	637766.16	4269712.29	UCART1	8.91
77	637806.16	4269712.29	UCART1	8.91
78	637846.16	4269712.29	UCART1	9.08
79	637886.16	4269712.29	UCART1	9.22
80	637926.16	4269712.29	UCART1	9.22
81	637966.16	4269712.29	UCART1	9.39
82	638006.16	4269712.29	UCART1	9.45
83	638046.16	4269712.29	UCART1	9.45
84	638086.16	4269712.29	UCART1	9.45
85	638126.16	4269712.29	UCART1	9.45
86	638166.16	4269712.29	UCART1	9.45
87	638206.16	4269712.29	UCART1	9.45
88	638246.16	4269712.29	UCART1	9.45
89	638286.16	4269712.29	UCART1	9.36
90	638326.16	4269712.29	UCART1	9.22
91	638366.16	4269712.29	UCART1	9.22
92	638406.16	4269712.29	UCART1	9.22
93	638446.16	4269712.29	UCART1	9.22
94	638486.16	4269712.29	UCART1	9.22
95	638526.16	4269712.29	UCART1	9.22
96	638566.16	4269712.29	UCART1	9.39
97	636646.16	4269752.29	UCART1	11.50
98	636686.16	4269752.29	UCART1	11.60
99	636726.16	4269752.29	UCART1	11.81
100	636766.16	4269752.29	UCART1	12.11
101	636806.16	4269752.29	UCART1	11.43
102	637086.16	4269752.29	UCART1	10.85
103	637126.16	4269752.29	UCART1	10.31
104	637286.16	4269752.29	UCART1	8.51
105	637326.16	4269752.29	UCART1	8.16
106	637686.16	4269752.29	UCART1	8.83

107	637726.16	4269752.29	UCART1	9.02
108	637766.16	4269752.29	UCART1	9.14
109	637806.16	4269752.29	UCART1	9.22
110	637846.16	4269752.29	UCART1	9.32
111	637886.16	4269752.29	UCART1	9.45
112	637926.16	4269752.29	UCART1	9.45
113	637966.16	4269752.29	UCART1	9.45
114	638006.16	4269752.29	UCART1	9.45
115	638046.16	4269752.29	UCART1	9.45
116	638086.16	4269752.29	UCART1	9.45
117	638126.16	4269752.29	UCART1	9.45
118	638166.16	4269752.29	UCART1	9.45
119	638206.16	4269752.29	UCART1	9.45
120	638246.16	4269752.29	UCART1	9.45
121	638286.16	4269752.29	UCART1	9.45
122	638326.16	4269752.29	UCART1	9.45
123	638366.16	4269752.29	UCART1	9.45
124	638406.16	4269752.29	UCART1	9.45
125	638446.16	4269752.29	UCART1	9.45
126	638486.16	4269752.29	UCART1	9.45
127	638526.16	4269752.29	UCART1	9.45
128	638566.16	4269752.29	UCART1	9.45
129	636646.16	4269792.29	UCART1	11.78
130	636686.16	4269792.29	UCART1	11.86
131	636726.16	4269792.29	UCART1	11.89
132	636766.16	4269792.29	UCART1	12.11
133	636806.16	4269792.29	UCART1	12.03
134	636846.16	4269792.29	UCART1	11.83
135	637046.16	4269792.29	UCART1	11.26
136	637086.16	4269792.29	UCART1	10.74
137	637126.16	4269792.29	UCART1	10.14
138	637166.16	4269792.29	UCART1	9.73
139	637286.16	4269792.29	UCART1	8.51
140	637326.16	4269792.29	UCART1	8.11
141	637646.16	4269792.29	UCART1	9.14
142	637686.16	4269792.29	UCART1	9.41
143	637726.16	4269792.29	UCART1	9.63
144	637766.16	4269792.29	UCART1	9.42

145	637806.16	4269792.29	UCART1	9.43
146	637846.16	4269792.29	UCART1	9.45
147	637886.16	4269792.29	UCART1	9.73
148	637926.16	4269792.29	UCART1	9.73
149	637966.16	4269792.29	UCART1	9.73
150	638006.16	4269792.29	UCART1	9.73
151	638046.16	4269792.29	UCART1	9.73
152	638086.16	4269792.29	UCART1	9.73
153	638126.16	4269792.29	UCART1	9.73
154	638166.16	4269792.29	UCART1	9.73
155	638206.16	4269792.29	UCART1	9.73
156	638246.16	4269792.29	UCART1	9.71
157	638286.16	4269792.29	UCART1	9.45
158	638326.16	4269792.29	UCART1	9.45
159	638366.16	4269792.29	UCART1	9.45
160	638406.16	4269792.29	UCART1	9.45
161	638446.16	4269792.29	UCART1	9.45
162	638526.16	4269792.29	UCART1	9.45
163	638566.16	4269792.29	UCART1	9.45
164	636646.16	4269832.29	UCART1	12.03
165	636686.16	4269832.29	UCART1	12.18
166	636726.16	4269832.29	UCART1	11.93
167	636766.16	4269832.29	UCART1	12.06
168	636806.16	4269832.29	UCART1	12.12
169	636846.16	4269832.29	UCART1	11.79
170	637006.16	4269832.29	UCART1	11.85
171	637046.16	4269832.29	UCART1	11.26
172	637086.16	4269832.29	UCART1	10.72
173	637126.16	4269832.29	UCART1	10.14
174	637166.16	4269832.29	UCART1	9.73
175	637206.16	4269832.29	UCART1	9.32
176	637246.16	4269832.29	UCART1	8.92
177	637286.16	4269832.29	UCART1	8.42
178	637326.16	4269832.29	UCART1	7.89
179	637646.16	4269832.29	UCART1	9.48
180	637686.16	4269832.29	UCART1	10.08
181	637726.16	4269832.29	UCART1	10.27
182	637766.16	4269832.29	UCART1	10.13

183	637806.16	4269832.29	UCART1	10.01
184	637846.16	4269832.29	UCART1	9.83
185	637886.16	4269832.29	UCART1	9.75
186	637926.16	4269832.29	UCART1	9.78
187	637966.16	4269832.29	UCART1	9.83
188	638006.16	4269832.29	UCART1	9.83
189	638046.16	4269832.29	UCART1	9.83
190	638086.16	4269832.29	UCART1	9.83
191	638126.16	4269832.29	UCART1	9.83
192	638166.16	4269832.29	UCART1	9.83
193	638206.16	4269832.29	UCART1	9.83
194	638246.16	4269832.29	UCART1	9.75
195	638286.16	4269832.29	UCART1	9.75
196	638326.16	4269832.29	UCART1	9.75
197	638366.16	4269832.29	UCART1	9.74
198	638406.16	4269832.29	UCART1	9.52
199	638446.16	4269832.29	UCART1	9.52
200	638526.16	4269832.29	UCART1	9.52
201	638566.16	4269832.29	UCART1	9.52
202	636646.16	4269872.29	UCART1	12.08
203	636686.16	4269872.29	UCART1	12.19
204	636726.16	4269872.29	UCART1	12.14
205	636766.16	4269872.29	UCART1	12.06
206	636806.16	4269872.29	UCART1	12.07
207	636846.16	4269872.29	UCART1	11.62
208	637006.16	4269872.29	UCART1	11.87
209	637046.16	4269872.29	UCART1	11.24
210	637086.16	4269872.29	UCART1	10.62
211	637126.16	4269872.29	UCART1	10.14
212	637166.16	4269872.29	UCART1	9.73
213	637206.16	4269872.29	UCART1	9.25
214	637246.16	4269872.29	UCART1	8.74
215	637286.16	4269872.29	UCART1	8.21
216	637646.16	4269872.29	UCART1	9.67
217	637686.16	4269872.29	UCART1	10.41
218	637726.16	4269872.29	UCART1	10.67
219	637766.16	4269872.29	UCART1	10.53
220	637806.16	4269872.29	UCART1	10.31

221	637846.16	4269872.29	UCART1	10.10
222	637886.16	4269872.29	UCART1	9.93
223	637926.16	4269872.29	UCART1	9.98
224	637966.16	4269872.29	UCART1	10.06
225	638006.16	4269872.29	UCART1	10.06
226	638046.16	4269872.29	UCART1	10.06
227	638086.16	4269872.29	UCART1	10.19
228	638126.16	4269872.29	UCART1	10.22
229	638166.16	4269872.29	UCART1	10.06
230	638206.16	4269872.29	UCART1	10.06
231	638246.16	4269872.29	UCART1	9.93
232	638286.16	4269872.29	UCART1	9.93
233	638326.16	4269872.29	UCART1	9.80
234	638366.16	4269872.29	UCART1	9.75
235	638406.16	4269872.29	UCART1	9.75
236	638446.16	4269872.29	UCART1	9.75
237	638486.16	4269872.29	UCART1	9.75
238	638526.16	4269872.29	UCART1	9.75
239	638566.16	4269872.29	UCART1	9.75
240	636646.16	4269912.29	UCART1	11.83
241	636686.16	4269912.29	UCART1	11.93
242	636726.16	4269912.29	UCART1	12.19
243	636766.16	4269912.29	UCART1	12.19
244	636806.16	4269912.29	UCART1	12.19
245	637046.16	4269912.29	UCART1	10.98
246	637086.16	4269912.29	UCART1	10.54
247	637126.16	4269912.29	UCART1	9.93
248	637166.16	4269912.29	UCART1	9.45
249	637206.16	4269912.29	UCART1	9.04
250	637246.16	4269912.29	UCART1	8.61
251	637286.16	4269912.29	UCART1	8.21
252	637646.16	4269912.29	UCART1	9.80
253	637686.16	4269912.29	UCART1	10.49
254	637726.16	4269912.29	UCART1	10.67
255	637766.16	4269912.29	UCART1	10.67
256	637806.16	4269912.29	UCART1	10.53
257	637846.16	4269912.29	UCART1	10.34
258	637886.16	4269912.29	UCART1	10.34

259	637926.16	4269912.29	UCART1	10.34
260	637966.16	4269912.29	UCART1	10.34
261	638006.16	4269912.29	UCART1	10.34
262	638046.16	4269912.29	UCART1	10.34
263	638086.16	4269912.29	UCART1	10.36
264	638126.16	4269912.29	UCART1	10.36
265	638166.16	4269912.29	UCART1	10.34
266	638206.16	4269912.29	UCART1	10.34
267	638246.16	4269912.29	UCART1	10.06
268	638286.16	4269912.29	UCART1	10.06
269	638326.16	4269912.29	UCART1	10.04
270	638366.16	4269912.29	UCART1	10.01
271	638406.16	4269912.29	UCART1	9.75
272	638446.16	4269912.29	UCART1	9.75
273	638486.16	4269912.29	UCART1	9.75
274	638526.16	4269912.29	UCART1	9.75
275	638566.16	4269912.29	UCART1	9.75
276	636646.16	4269952.29	UCART1	11.73
277	636686.16	4269952.29	UCART1	11.89
278	636726.16	4269952.29	UCART1	11.98
279	636766.16	4269952.29	UCART1	12.12
280	636806.16	4269952.29	UCART1	11.81
281	637086.16	4269952.29	UCART1	10.24
282	637126.16	4269952.29	UCART1	9.83
283	637166.16	4269952.29	UCART1	9.42
284	637206.16	4269952.29	UCART1	8.95
285	637246.16	4269952.29	UCART1	8.54
286	637286.16	4269952.29	UCART1	7.92
287	637606.16	4269952.29	UCART1	9.37
288	637646.16	4269952.29	UCART1	10.08
289	637686.16	4269952.29	UCART1	10.44
290	637726.16	4269952.29	UCART1	10.67
291	637766.16	4269952.29	UCART1	10.66
292	637806.16	4269952.29	UCART1	10.50
293	637846.16	4269952.29	UCART1	10.36
294	637886.16	4269952.29	UCART1	10.36
295	637926.16	4269952.29	UCART1	10.36
296	637966.16	4269952.29	UCART1	10.42

297	638006.16	4269952.29	UCART1	10.44
298	638046.16	4269952.29	UCART1	10.53
299	638086.16	4269952.29	UCART1	10.67
300	638126.16	4269952.29	UCART1	10.67
301	638166.16	4269952.29	UCART1	10.57
302	638206.16	4269952.29	UCART1	10.44
303	638246.16	4269952.29	UCART1	10.43
304	638286.16	4269952.29	UCART1	10.27
305	638326.16	4269952.29	UCART1	10.08
306	638366.16	4269952.29	UCART1	10.06
307	638406.16	4269952.29	UCART1	10.06
308	638446.16	4269952.29	UCART1	10.06
309	638486.16	4269952.29	UCART1	9.83
310	638526.16	4269952.29	UCART1	9.92
311	638566.16	4269952.29	UCART1	10.06
312	636286.16	4269992.29	UCART1	10.67
313	636326.16	4269992.29	UCART1	10.67
314	636366.16	4269992.29	UCART1	10.67
315	636406.16	4269992.29	UCART1	10.44
316	636606.16	4269992.29	UCART1	11.10
317	636646.16	4269992.29	UCART1	11.50
318	636686.16	4269992.29	UCART1	11.72
319	636726.16	4269992.29	UCART1	11.89
320	636766.16	4269992.29	UCART1	11.76
321	636806.16	4269992.29	UCART1	11.38
322	637086.16	4269992.29	UCART1	10.06
323	637126.16	4269992.29	UCART1	9.79
324	637166.16	4269992.29	UCART1	9.40
325	637206.16	4269992.29	UCART1	8.72
326	637246.16	4269992.29	UCART1	8.31
327	637286.16	4269992.29	UCART1	7.91
328	637606.16	4269992.29	UCART1	9.55
329	637646.16	4269992.29	UCART1	10.06
330	637686.16	4269992.29	UCART1	10.23
331	637806.16	4269992.29	UCART1	10.54
332	637846.16	4269992.29	UCART1	10.54
333	637886.16	4269992.29	UCART1	10.54
334	637926.16	4269992.29	UCART1	10.54

335	637966.16	4269992.29	UCART1	10.63
336	638006.16	4269992.29	UCART1	10.66
337	638046.16	4269992.29	UCART1	10.49
338	638086.16	4269992.29	UCART1	10.62
339	638126.16	4269992.29	UCART1	10.67
340	638166.16	4269992.29	UCART1	10.67
341	638206.16	4269992.29	UCART1	10.67
342	638246.16	4269992.29	UCART1	10.66
343	638286.16	4269992.29	UCART1	10.47
344	638326.16	4269992.29	UCART1	10.27
345	638366.16	4269992.29	UCART1	10.06
346	638406.16	4269992.29	UCART1	10.06
347	638446.16	4269992.29	UCART1	10.06
348	638486.16	4269992.29	UCART1	10.06
349	638526.16	4269992.29	UCART1	10.06
350	638566.16	4269992.29	UCART1	10.06
351	636166.16	4270032.29	UCART1	9.37
352	636246.16	4270032.29	UCART1	10.67
353	636286.16	4270032.29	UCART1	10.67
354	636326.16	4270032.29	UCART1	10.65
355	636366.16	4270032.29	UCART1	10.39
356	636406.16	4270032.29	UCART1	10.37
357	636606.16	4270032.29	UCART1	11.10
358	636646.16	4270032.29	UCART1	11.50
359	636686.16	4270032.29	UCART1	11.58
360	636726.16	4270032.29	UCART1	11.61
361	636766.16	4270032.29	UCART1	11.38
362	636806.16	4270032.29	UCART1	11.23
363	636886.16	4270032.29	UCART1	10.67
364	636926.16	4270032.29	UCART1	10.67
365	636966.16	4270032.29	UCART1	10.68
366	637166.16	4270032.29	UCART1	9.42
367	637206.16	4270032.29	UCART1	8.88
368	637246.16	4270032.29	UCART1	8.31
369	637606.16	4270032.29	UCART1	9.75
370	637646.16	4270032.29	UCART1	10.06
371	637686.16	4270032.29	UCART1	10.18
372	637766.16	4270032.29	UCART1	10.67

373	637806.16	4270032.29	UCART1	10.67
374	637846.16	4270032.29	UCART1	10.67
375	637886.16	4270032.29	UCART1	10.67
376	637926.16	4270032.29	UCART1	10.67
377	637966.16	4270032.29	UCART1	10.46
378	638006.16	4270032.29	UCART1	10.39
379	638046.16	4270032.29	UCART1	10.36
380	638086.16	4270032.29	UCART1	10.38
381	638126.16	4270032.29	UCART1	10.67
382	638206.16	4270032.29	UCART1	10.67
383	638246.16	4270032.29	UCART1	10.67
384	638286.16	4270032.29	UCART1	10.54
385	638326.16	4270032.29	UCART1	10.36
386	638366.16	4270032.29	UCART1	10.06
387	638406.16	4270032.29	UCART1	10.06
388	638446.16	4270032.29	UCART1	10.06
389	638486.16	4270032.29	UCART1	10.06
390	638526.16	4270032.29	UCART1	10.06
391	638566.16	4270032.29	UCART1	10.06
392	636046.16	4270072.29	UCART1	7.85
393	636086.16	4270072.29	UCART1	8.56
394	636126.16	4270072.29	UCART1	8.96
395	636166.16	4270072.29	UCART1	9.37
396	636206.16	4270072.29	UCART1	10.02
397	636246.16	4270072.29	UCART1	10.52
398	636326.16	4270072.29	UCART1	10.36
399	636366.16	4270072.29	UCART1	10.36
400	636406.16	4270072.29	UCART1	10.36
401	636606.16	4270072.29	UCART1	11.07
402	636646.16	4270072.29	UCART1	11.26
403	636686.16	4270072.29	UCART1	11.51
404	636726.16	4270072.29	UCART1	11.41
405	636766.16	4270072.29	UCART1	11.22
406	636806.16	4270072.29	UCART1	10.95
407	636846.16	4270072.29	UCART1	10.67
408	636886.16	4270072.29	UCART1	10.67
409	636926.16	4270072.29	UCART1	10.67
410	636966.16	4270072.29	UCART1	10.67

411	637006.16	4270072.29	UCART1	10.67
412	637046.16	4270072.29	UCART1	10.35
413	637086.16	4270072.29	UCART1	10.10
414	637246.16	4270072.29	UCART1	8.39
415	637606.16	4270072.29	UCART1	10.13
416	637646.16	4270072.29	UCART1	10.13
417	637686.16	4270072.29	UCART1	10.15
418	637726.16	4270072.29	UCART1	10.34
419	637766.16	4270072.29	UCART1	10.43
420	637806.16	4270072.29	UCART1	10.33
421	637846.16	4270072.29	UCART1	10.29
422	637886.16	4270072.29	UCART1	10.29
423	637926.16	4270072.29	UCART1	10.29
424	637966.16	4270072.29	UCART1	10.06
425	638006.16	4270072.29	UCART1	9.99
426	638046.16	4270072.29	UCART1	10.15
427	638086.16	4270072.29	UCART1	10.34
428	638126.16	4270072.29	UCART1	10.39
429	638166.16	4270072.29	UCART1	10.67
430	638206.16	4270072.29	UCART1	10.67
431	638326.16	4270072.29	UCART1	10.44
432	638366.16	4270072.29	UCART1	10.34
433	638406.16	4270072.29	UCART1	10.06
434	638446.16	4270072.29	UCART1	10.06
435	638486.16	4270072.29	UCART1	10.06
436	638526.16	4270072.29	UCART1	10.23
437	638566.16	4270072.29	UCART1	10.36
438	635926.16	4270112.29	UCART1	7.82
439	635966.16	4270112.29	UCART1	7.62
440	636006.16	4270112.29	UCART1	7.69
441	636046.16	4270112.29	UCART1	8.02
442	636086.16	4270112.29	UCART1	8.57
443	636126.16	4270112.29	UCART1	9.14
444	636166.16	4270112.29	UCART1	9.42
445	636206.16	4270112.29	UCART1	9.76
446	636246.16	4270112.29	UCART1	9.95
447	636326.16	4270112.29	UCART1	10.20
448	636406.16	4270112.29	UCART1	10.36

449	636446.16	4270112.29	UCART1	10.67
450	636606.16	4270112.29	UCART1	10.97
451	636646.16	4270112.29	UCART1	11.07
452	636686.16	4270112.29	UCART1	11.28
453	636726.16	4270112.29	UCART1	11.21
454	636766.16	4270112.29	UCART1	11.01
455	636806.16	4270112.29	UCART1	10.79
456	636846.16	4270112.29	UCART1	10.67
457	636886.16	4270112.29	UCART1	10.67
458	636926.16	4270112.29	UCART1	10.67
459	636966.16	4270112.29	UCART1	10.67
460	637006.16	4270112.29	UCART1	10.67
461	637046.16	4270112.29	UCART1	10.54
462	637086.16	4270112.29	UCART1	10.42
463	637166.16	4270112.29	UCART1	9.72
464	637206.16	4270112.29	UCART1	9.12
465	637246.16	4270112.29	UCART1	8.52
466	637606.16	4270112.29	UCART1	10.54
467	637646.16	4270112.29	UCART1	10.35
468	637686.16	4270112.29	UCART1	10.23
469	637726.16	4270112.29	UCART1	10.33
470	637806.16	4270112.29	UCART1	10.13
471	637846.16	4270112.29	UCART1	9.93
472	637886.16	4270112.29	UCART1	9.88
473	637926.16	4270112.29	UCART1	9.88
474	637966.16	4270112.29	UCART1	9.66
475	638006.16	4270112.29	UCART1	9.60
476	638046.16	4270112.29	UCART1	9.95
477	638086.16	4270112.29	UCART1	10.28
478	638126.16	4270112.29	UCART1	10.55
479	638166.16	4270112.29	UCART1	10.67
480	638206.16	4270112.29	UCART1	10.67
481	638326.16	4270112.29	UCART1	10.44
482	638366.16	4270112.29	UCART1	10.35
483	638406.16	4270112.29	UCART1	10.16
484	638446.16	4270112.29	UCART1	10.06
485	638486.16	4270112.29	UCART1	10.24
486	638526.16	4270112.29	UCART1	10.36

487	638566.16	4270112.29	UCART1	10.36
488	635966.16	4270152.29	UCART1	7.90
489	636006.16	4270152.29	UCART1	8.02
490	636046.16	4270152.29	UCART1	8.43
491	636086.16	4270152.29	UCART1	8.84
492	636126.16	4270152.29	UCART1	9.15
493	636166.16	4270152.29	UCART1	9.38
494	636206.16	4270152.29	UCART1	9.50
495	636246.16	4270152.29	UCART1	9.76
496	636286.16	4270152.29	UCART1	9.99
497	636326.16	4270152.29	UCART1	10.06
498	636406.16	4270152.29	UCART1	10.36
499	636446.16	4270152.29	UCART1	10.67
500	636606.16	4270152.29	UCART1	10.97
501	636646.16	4270152.29	UCART1	10.97
502	636686.16	4270152.29	UCART1	11.00
503	636726.16	4270152.29	UCART1	10.99
504	636766.16	4270152.29	UCART1	10.97
505	636846.16	4270152.29	UCART1	10.67
506	636886.16	4270152.29	UCART1	10.67
507	636926.16	4270152.29	UCART1	10.67
508	636966.16	4270152.29	UCART1	10.67
509	637006.16	4270152.29	UCART1	10.67
510	637046.16	4270152.29	UCART1	10.67
511	637086.16	4270152.29	UCART1	10.66
512	637166.16	4270152.29	UCART1	10.01
513	637206.16	4270152.29	UCART1	9.48
514	637246.16	4270152.29	UCART1	8.69
515	637606.16	4270152.29	UCART1	10.67
516	637646.16	4270152.29	UCART1	10.64
517	637686.16	4270152.29	UCART1	10.64
518	637726.16	4270152.29	UCART1	10.64
519	637766.16	4270152.29	UCART1	10.64
520	637846.16	4270152.29	UCART1	9.55
521	637886.16	4270152.29	UCART1	9.48
522	637926.16	4270152.29	UCART1	9.48
523	637966.16	4270152.29	UCART1	9.46
524	638006.16	4270152.29	UCART1	9.19

525	638046.16	4270152.29	UCART1	9.94
526	638086.16	4270152.29	UCART1	10.43
527	638126.16	4270152.29	UCART1	10.67
528	638166.16	4270152.29	UCART1	10.67
529	638206.16	4270152.29	UCART1	10.67
530	638246.16	4270152.29	UCART1	10.67
531	638286.16	4270152.29	UCART1	10.67
532	638326.16	4270152.29	UCART1	10.44
533	638366.16	4270152.29	UCART1	10.36
534	638406.16	4270152.29	UCART1	10.35
535	638486.16	4270152.29	UCART1	10.36
536	638526.16	4270152.29	UCART1	10.48
537	638566.16	4270152.29	UCART1	10.64
538	635966.16	4270192.29	UCART1	8.24
539	636006.16	4270192.29	UCART1	8.40
540	636046.16	4270192.29	UCART1	8.76
541	636086.16	4270192.29	UCART1	9.07
542	636166.16	4270192.29	UCART1	9.31
543	636206.16	4270192.29	UCART1	9.45
544	636246.16	4270192.29	UCART1	9.57
545	636286.16	4270192.29	UCART1	9.98
546	636326.16	4270192.29	UCART1	10.06
547	636366.16	4270192.29	UCART1	10.23
548	636406.16	4270192.29	UCART1	10.36
549	636446.16	4270192.29	UCART1	10.60
550	636566.16	4270192.29	UCART1	10.68
551	636606.16	4270192.29	UCART1	10.90
552	636646.16	4270192.29	UCART1	10.95
553	636686.16	4270192.29	UCART1	10.97
554	636726.16	4270192.29	UCART1	10.94
555	636806.16	4270192.29	UCART1	10.67
556	636846.16	4270192.29	UCART1	10.67
557	636886.16	4270192.29	UCART1	10.67
558	636926.16	4270192.29	UCART1	10.67
559	636966.16	4270192.29	UCART1	10.67
560	637006.16	4270192.29	UCART1	10.67
561	637046.16	4270192.29	UCART1	10.67
562	637086.16	4270192.29	UCART1	10.67

563	637166.16	4270192.29	UCART1	10.40
564	637206.16	4270192.29	UCART1	9.78
565	637246.16	4270192.29	UCART1	8.92
566	637566.16	4270192.29	UCART1	10.18
567	637686.16	4270192.29	UCART1	10.50
568	637726.16	4270192.29	UCART1	10.31
569	637766.16	4270192.29	UCART1	9.94
570	637806.16	4270192.29	UCART1	9.32
571	637846.16	4270192.29	UCART1	9.14
572	637886.16	4270192.29	UCART1	9.37
573	637926.16	4270192.29	UCART1	9.28
574	637966.16	4270192.29	UCART1	9.20
575	638006.16	4270192.29	UCART1	9.53
576	638046.16	4270192.29	UCART1	9.95
577	638086.16	4270192.29	UCART1	10.59
578	638126.16	4270192.29	UCART1	10.67
579	638166.16	4270192.29	UCART1	10.67
580	638206.16	4270192.29	UCART1	10.67
581	638246.16	4270192.29	UCART1	10.67
582	638286.16	4270192.29	UCART1	10.67
583	638326.16	4270192.29	UCART1	10.67
584	638366.16	4270192.29	UCART1	10.43
585	638406.16	4270192.29	UCART1	10.36
586	638446.16	4270192.29	UCART1	10.36
587	638486.16	4270192.29	UCART1	10.36
588	635966.16	4270232.29	UCART1	8.43
589	636006.16	4270232.29	UCART1	8.71
590	636046.16	4270232.29	UCART1	8.81
591	636086.16	4270232.29	UCART1	8.85
592	636166.16	4270232.29	UCART1	9.14
593	636206.16	4270232.29	UCART1	9.29
594	636246.16	4270232.29	UCART1	9.57
595	636286.16	4270232.29	UCART1	9.98
596	636326.16	4270232.29	UCART1	10.24
597	636366.16	4270232.29	UCART1	10.36
598	636406.16	4270232.29	UCART1	10.49
599	636446.16	4270232.29	UCART1	10.55
600	636566.16	4270232.29	UCART1	10.67

601	636606.16	4270232.29	UCART1	10.67
602	636646.16	4270232.29	UCART1	10.76
603	636686.16	4270232.29	UCART1	10.80
604	636766.16	4270232.29	UCART1	10.67
605	636806.16	4270232.29	UCART1	10.67
606	636846.16	4270232.29	UCART1	10.67
607	636886.16	4270232.29	UCART1	10.67
608	636926.16	4270232.29	UCART1	10.67
609	636966.16	4270232.29	UCART1	10.67
610	637006.16	4270232.29	UCART1	10.67
611	637046.16	4270232.29	UCART1	10.67
612	637086.16	4270232.29	UCART1	10.67
613	637206.16	4270232.29	UCART1	10.38
614	637246.16	4270232.29	UCART1	10.00
615	637566.16	4270232.29	UCART1	10.36
616	637606.16	4270232.29	UCART1	10.36
617	637726.16	4270232.29	UCART1	10.14
618	637766.16	4270232.29	UCART1	9.73
619	637806.16	4270232.29	UCART1	9.40
620	637886.16	4270232.29	UCART1	9.14
621	637926.16	4270232.29	UCART1	9.14
622	637966.16	4270232.29	UCART1	9.37
623	638006.16	4270232.29	UCART1	10.33
624	638046.16	4270232.29	UCART1	10.47
625	638086.16	4270232.29	UCART1	10.59
626	638126.16	4270232.29	UCART1	10.67
627	638166.16	4270232.29	UCART1	10.67
628	638206.16	4270232.29	UCART1	10.67
629	638246.16	4270232.29	UCART1	10.67
630	638286.16	4270232.29	UCART1	10.67
631	638326.16	4270232.29	UCART1	10.67
632	638366.16	4270232.29	UCART1	10.66
633	638406.16	4270232.29	UCART1	10.47
634	638446.16	4270232.29	UCART1	10.36
635	638486.16	4270232.29	UCART1	10.36
636	638526.16	4270232.29	UCART1	10.43
637	635966.16	4270272.29	UCART1	9.09
638	636006.16	4270272.29	UCART1	9.12

639	636086.16	4270272.29	UCART1	9.12
640	636126.16	4270272.29	UCART1	9.14
641	636166.16	4270272.29	UCART1	9.14
642	636206.16	4270272.29	UCART1	9.44
643	636366.16	4270272.29	UCART1	10.36
644	636406.16	4270272.29	UCART1	10.59
645	636446.16	4270272.29	UCART1	10.67
646	636566.16	4270272.29	UCART1	10.67
647	636606.16	4270272.29	UCART1	10.67
648	636646.16	4270272.29	UCART1	10.67
649	636686.16	4270272.29	UCART1	10.67
650	636726.16	4270272.29	UCART1	10.67
651	636766.16	4270272.29	UCART1	10.67
652	636806.16	4270272.29	UCART1	10.67
653	636846.16	4270272.29	UCART1	10.67
654	636886.16	4270272.29	UCART1	10.67
655	636926.16	4270272.29	UCART1	10.67
656	636966.16	4270272.29	UCART1	10.67
657	637006.16	4270272.29	UCART1	10.67
658	637046.16	4270272.29	UCART1	10.67
659	637566.16	4270272.29	UCART1	10.53
660	637606.16	4270272.29	UCART1	10.36
661	637646.16	4270272.29	UCART1	10.36
662	637726.16	4270272.29	UCART1	10.07
663	637766.16	4270272.29	UCART1	9.75
664	637806.16	4270272.29	UCART1	9.61
665	637846.16	4270272.29	UCART1	9.43
666	637926.16	4270272.29	UCART1	9.14
667	637966.16	4270272.29	UCART1	9.16
668	638006.16	4270272.29	UCART1	9.82
669	638046.16	4270272.29	UCART1	10.49
670	638086.16	4270272.29	UCART1	11.07
671	638126.16	4270272.29	UCART1	10.93
672	638166.16	4270272.29	UCART1	10.67
673	638206.16	4270272.29	UCART1	10.67
674	638246.16	4270272.29	UCART1	10.67
675	638286.16	4270272.29	UCART1	10.67
676	638326.16	4270272.29	UCART1	10.67

677	638366.16	4270272.29	UCART1	10.67
678	638406.16	4270272.29	UCART1	10.66
679	638446.16	4270272.29	UCART1	10.64
680	638486.16	4270272.29	UCART1	10.64
681	638526.16	4270272.29	UCART1	10.65
682	635966.16	4270312.29	UCART1	9.14
683	636006.16	4270312.29	UCART1	9.14
684	636046.16	4270312.29	UCART1	9.14
685	636086.16	4270312.29	UCART1	9.14
686	636126.16	4270312.29	UCART1	9.14
687	636166.16	4270312.29	UCART1	9.14
688	636206.16	4270312.29	UCART1	9.47
689	636286.16	4270312.29	UCART1	10.28
690	636326.16	4270312.29	UCART1	10.45
691	636366.16	4270312.29	UCART1	10.67
692	636406.16	4270312.29	UCART1	10.67
693	636446.16	4270312.29	UCART1	10.67
694	636566.16	4270312.29	UCART1	10.67
695	636606.16	4270312.29	UCART1	10.67
696	636646.16	4270312.29	UCART1	10.67
697	636686.16	4270312.29	UCART1	10.67
698	636726.16	4270312.29	UCART1	10.67
699	636766.16	4270312.29	UCART1	10.67
700	636806.16	4270312.29	UCART1	10.66
701	636846.16	4270312.29	UCART1	10.59
702	636886.16	4270312.29	UCART1	10.42
703	636926.16	4270312.29	UCART1	10.36
704	636966.16	4270312.29	UCART1	10.36
705	637006.16	4270312.29	UCART1	10.59
706	637046.16	4270312.29	UCART1	10.67
707	637086.16	4270312.29	UCART1	10.64
708	637126.16	4270312.29	UCART1	10.37
709	637166.16	4270312.29	UCART1	10.52
710	637606.16	4270312.29	UCART1	10.42
711	637646.16	4270312.29	UCART1	10.36
712	637686.16	4270312.29	UCART1	10.24
713	637766.16	4270312.29	UCART1	9.75
714	637806.16	4270312.29	UCART1	9.66

715	637846.16	4270312.29	UCART1	9.47
716	637886.16	4270312.29	UCART1	9.43
717	637966.16	4270312.29	UCART1	9.14
718	638006.16	4270312.29	UCART1	9.46
719	638046.16	4270312.29	UCART1	10.79
720	638086.16	4270312.29	UCART1	11.37
721	638126.16	4270312.29	UCART1	11.35
722	638166.16	4270312.29	UCART1	11.23
723	638206.16	4270312.29	UCART1	11.05
724	638246.16	4270312.29	UCART1	11.05
725	638286.16	4270312.29	UCART1	11.02
726	638326.16	4270312.29	UCART1	10.80
727	638366.16	4270312.29	UCART1	10.67
728	638406.16	4270312.29	UCART1	10.67
729	638446.16	4270312.29	UCART1	10.67
730	638486.16	4270312.29	UCART1	10.67
731	638566.16	4270312.29	UCART1	10.67
732	635966.16	4270352.29	UCART1	9.14
733	636006.16	4270352.29	UCART1	9.14
734	636046.16	4270352.29	UCART1	9.14
735	636086.16	4270352.29	UCART1	9.14
736	636126.16	4270352.29	UCART1	9.14
737	636166.16	4270352.29	UCART1	9.14
738	636206.16	4270352.29	UCART1	9.47
739	636286.16	4270352.29	UCART1	10.28
740	636326.16	4270352.29	UCART1	10.67
741	636366.16	4270352.29	UCART1	10.67
742	636406.16	4270352.29	UCART1	10.67
743	636446.16	4270352.29	UCART1	10.67
744	636566.16	4270352.29	UCART1	10.67
745	636606.16	4270352.29	UCART1	10.67
746	636646.16	4270352.29	UCART1	10.67
747	636686.16	4270352.29	UCART1	10.67
748	636726.16	4270352.29	UCART1	10.67
749	636766.16	4270352.29	UCART1	10.67
750	636806.16	4270352.29	UCART1	10.48
751	636846.16	4270352.29	UCART1	10.36
752	636886.16	4270352.29	UCART1	10.36

753	636926.16	4270352.29	UCART1	10.36
754	636966.16	4270352.29	UCART1	10.36
755	637006.16	4270352.29	UCART1	10.59
756	637046.16	4270352.29	UCART1	10.67
757	637086.16	4270352.29	UCART1	10.54
758	637126.16	4270352.29	UCART1	10.14
759	637166.16	4270352.29	UCART1	10.07
760	637206.16	4270352.29	UCART1	10.04
761	637606.16	4270352.29	UCART1	10.63
762	637646.16	4270352.29	UCART1	10.53
763	637686.16	4270352.29	UCART1	10.31
764	637726.16	4270352.29	UCART1	10.10
765	637806.16	4270352.29	UCART1	9.75
766	637846.16	4270352.29	UCART1	9.66
767	637886.16	4270352.29	UCART1	9.45
768	637926.16	4270352.29	UCART1	9.40
769	637966.16	4270352.29	UCART1	9.32
770	638046.16	4270352.29	UCART1	10.10
771	638086.16	4270352.29	UCART1	11.83
772	638126.16	4270352.29	UCART1	11.92
773	638166.16	4270352.29	UCART1	11.71
774	638206.16	4270352.29	UCART1	11.63
775	638246.16	4270352.29	UCART1	11.60
776	638286.16	4270352.29	UCART1	11.23
777	638326.16	4270352.29	UCART1	11.02
778	638366.16	4270352.29	UCART1	10.67
779	638406.16	4270352.29	UCART1	10.67
780	638446.16	4270352.29	UCART1	10.67
781	638526.16	4270352.29	UCART1	10.67
782	638566.16	4270352.29	UCART1	10.80
783	635966.16	4270392.29	UCART1	9.14
784	636006.16	4270392.29	UCART1	9.14
785	636046.16	4270392.29	UCART1	9.14
786	636086.16	4270392.29	UCART1	8.89
787	636126.16	4270392.29	UCART1	9.14
788	636166.16	4270392.29	UCART1	9.14
789	636206.16	4270392.29	UCART1	9.47
790	636526.16	4270392.29	UCART1	10.67

791	636566.16	4270392.29	UCART1	10.67
792	636606.16	4270392.29	UCART1	10.67
793	636646.16	4270392.29	UCART1	10.67
794	636686.16	4270392.29	UCART1	10.67
795	636726.16	4270392.29	UCART1	10.67
796	636766.16	4270392.29	UCART1	10.67
797	636806.16	4270392.29	UCART1	10.36
798	636846.16	4270392.29	UCART1	10.25
799	636886.16	4270392.29	UCART1	10.09
800	636926.16	4270392.29	UCART1	10.36
801	636966.16	4270392.29	UCART1	10.48
802	637006.16	4270392.29	UCART1	10.66
803	637046.16	4270392.29	UCART1	10.65
804	637086.16	4270392.29	UCART1	10.38
805	637126.16	4270392.29	UCART1	10.14
806	637166.16	4270392.29	UCART1	10.06
807	637206.16	4270392.29	UCART1	10.15
808	637606.16	4270392.29	UCART1	10.67
809	637646.16	4270392.29	UCART1	10.65
810	637686.16	4270392.29	UCART1	10.36
811	637726.16	4270392.29	UCART1	10.14
812	637846.16	4270392.29	UCART1	9.75
813	637886.16	4270392.29	UCART1	9.73
814	637926.16	4270392.29	UCART1	9.73
815	637966.16	4270392.29	UCART1	9.93
816	638006.16	4270392.29	UCART1	9.98
817	638086.16	4270392.29	UCART1	10.76
818	638126.16	4270392.29	UCART1	11.93
819	638166.16	4270392.29	UCART1	12.17
820	638206.16	4270392.29	UCART1	12.17
821	638246.16	4270392.29	UCART1	11.86
822	638286.16	4270392.29	UCART1	11.33
823	638326.16	4270392.29	UCART1	10.98
824	638366.16	4270392.29	UCART1	10.67
825	638486.16	4270392.29	UCART1	10.69
826	638526.16	4270392.29	UCART1	10.95
827	638566.16	4270392.29	UCART1	10.97
828	635966.16	4270432.29	UCART1	9.07

829	636006.16	4270432.29	UCART1	9.07
830	636046.16	4270432.29	UCART1	8.90
831	636126.16	4270432.29	UCART1	9.14
832	636166.16	4270432.29	UCART1	9.37
833	636206.16	4270432.29	UCART1	9.47
834	636286.16	4270432.29	UCART1	10.28
835	636326.16	4270432.29	UCART1	10.67
836	636366.16	4270432.29	UCART1	10.67
837	636406.16	4270432.29	UCART1	10.67
838	636446.16	4270432.29	UCART1	10.65
839	636526.16	4270432.29	UCART1	10.36
840	636606.16	4270432.29	UCART1	10.67
841	636646.16	4270432.29	UCART1	10.67
842	636686.16	4270432.29	UCART1	10.67
843	636726.16	4270432.29	UCART1	10.67
844	636766.16	4270432.29	UCART1	10.44
845	636806.16	4270432.29	UCART1	10.34
846	636846.16	4270432.29	UCART1	10.06
847	636886.16	4270432.29	UCART1	10.06
848	636926.16	4270432.29	UCART1	10.29
849	636966.16	4270432.29	UCART1	10.49
850	637006.16	4270432.29	UCART1	10.67
851	637046.16	4270432.29	UCART1	10.67
852	637086.16	4270432.29	UCART1	10.57
853	637126.16	4270432.29	UCART1	10.21
854	637166.16	4270432.29	UCART1	10.37
855	637206.16	4270432.29	UCART1	10.53
856	637606.16	4270432.29	UCART1	10.61
857	637646.16	4270432.29	UCART1	10.58
858	637686.16	4270432.29	UCART1	10.36
859	637726.16	4270432.29	UCART1	10.19
860	637766.16	4270432.29	UCART1	10.06
861	637886.16	4270432.29	UCART1	10.06
862	637926.16	4270432.29	UCART1	10.26
863	637966.16	4270432.29	UCART1	10.61
864	638006.16	4270432.29	UCART1	10.86
865	638046.16	4270432.29	UCART1	10.53
866	638086.16	4270432.29	UCART1	10.67

867	638166.16	4270432.29	UCART1	11.17
868	638206.16	4270432.29	UCART1	11.84
869	638246.16	4270432.29	UCART1	12.04
870	638286.16	4270432.29	UCART1	11.03
871	638406.16	4270432.29	UCART1	10.67
872	638446.16	4270432.29	UCART1	10.67
873	638486.16	4270432.29	UCART1	10.97
874	638526.16	4270432.29	UCART1	10.97
875	638566.16	4270432.29	UCART1	10.97
876	636006.16	4270472.29	UCART1	8.84
877	636046.16	4270472.29	UCART1	8.84
878	636086.16	4270472.29	UCART1	8.86
879	636126.16	4270472.29	UCART1	9.14
880	636166.16	4270472.29	UCART1	9.24
881	636206.16	4270472.29	UCART1	9.47
882	636526.16	4270472.29	UCART1	10.36
883	636606.16	4270472.29	UCART1	10.67
884	636646.16	4270472.29	UCART1	10.67
885	636686.16	4270472.29	UCART1	10.67
886	636726.16	4270472.29	UCART1	10.60
887	636766.16	4270472.29	UCART1	10.40
888	636806.16	4270472.29	UCART1	10.18
889	636846.16	4270472.29	UCART1	10.06
890	636886.16	4270472.29	UCART1	10.06
891	636926.16	4270472.29	UCART1	10.24
892	636966.16	4270472.29	UCART1	10.49
893	637006.16	4270472.29	UCART1	10.67
894	637046.16	4270472.29	UCART1	10.67
895	637086.16	4270472.29	UCART1	10.60
896	637126.16	4270472.29	UCART1	10.53
897	637166.16	4270472.29	UCART1	10.55
898	637206.16	4270472.29	UCART1	10.67
899	637646.16	4270472.29	UCART1	10.36
900	637686.16	4270472.29	UCART1	10.36
901	637726.16	4270472.29	UCART1	10.36
902	637766.16	4270472.29	UCART1	10.06
903	637886.16	4270472.29	UCART1	10.26
904	637926.16	4270472.29	UCART1	10.59

905	637966.16	4270472.29	UCART1	10.67
906	638006.16	4270472.29	UCART1	10.67
907	638046.16	4270472.29	UCART1	10.67
908	638086.16	4270472.29	UCART1	10.67
909	638126.16	4270472.29	UCART1	10.67
910	638166.16	4270472.29	UCART1	10.72
911	638326.16	4270472.29	UCART1	10.67
912	638366.16	4270472.29	UCART1	10.67
913	638406.16	4270472.29	UCART1	10.67
914	638446.16	4270472.29	UCART1	10.67
915	638486.16	4270472.29	UCART1	10.97
916	638526.16	4270472.29	UCART1	10.97
917	638566.16	4270472.29	UCART1	10.97
918	635966.16	4270512.29	UCART1	8.54
919	636006.16	4270512.29	UCART1	8.67
920	636046.16	4270512.29	UCART1	8.84
921	636086.16	4270512.29	UCART1	8.86
922	636126.16	4270512.29	UCART1	9.14
923	636166.16	4270512.29	UCART1	9.14
924	636206.16	4270512.29	UCART1	9.47
925	636286.16	4270512.29	UCART1	10.58
926	636326.16	4270512.29	UCART1	10.67
927	636366.16	4270512.29	UCART1	10.78
928	636406.16	4270512.29	UCART1	10.74
929	636526.16	4270512.29	UCART1	10.29
930	636566.16	4270512.29	UCART1	10.39
931	636606.16	4270512.29	UCART1	10.67
932	636646.16	4270512.29	UCART1	10.67
933	636686.16	4270512.29	UCART1	10.67
934	636726.16	4270512.29	UCART1	10.54
935	636766.16	4270512.29	UCART1	10.16
936	636806.16	4270512.29	UCART1	10.06
937	636846.16	4270512.29	UCART1	10.06
938	636886.16	4270512.29	UCART1	10.06
939	636926.16	4270512.29	UCART1	10.36
940	636966.16	4270512.29	UCART1	10.49
941	637006.16	4270512.29	UCART1	10.67
942	637046.16	4270512.29	UCART1	10.65

943	637086.16	4270512.29	UCART1	10.49
944	637126.16	4270512.29	UCART1	10.66
945	637166.16	4270512.29	UCART1	10.67
946	637206.16	4270512.29	UCART1	10.67
947	637646.16	4270512.29	UCART1	10.62
948	637686.16	4270512.29	UCART1	10.36
949	637726.16	4270512.29	UCART1	10.36
950	637766.16	4270512.29	UCART1	10.34
951	637806.16	4270512.29	UCART1	10.34
952	637926.16	4270512.29	UCART1	10.67
953	637966.16	4270512.29	UCART1	10.67
954	638006.16	4270512.29	UCART1	10.67
955	638046.16	4270512.29	UCART1	10.67
956	638086.16	4270512.29	UCART1	10.67
957	638126.16	4270512.29	UCART1	10.67
958	638286.16	4270512.29	UCART1	10.68
959	638326.16	4270512.29	UCART1	10.67
960	638366.16	4270512.29	UCART1	10.67
961	638406.16	4270512.29	UCART1	10.67
962	638446.16	4270512.29	UCART1	10.67
963	638486.16	4270512.29	UCART1	10.71
964	638526.16	4270512.29	UCART1	10.97
965	638566.16	4270512.29	UCART1	10.97
966	634406.16	4270552.29	UCART1	7.64
967	635966.16	4270552.29	UCART1	8.47
968	636046.16	4270552.29	UCART1	8.84
969	636086.16	4270552.29	UCART1	8.86
970	636126.16	4270552.29	UCART1	9.10
971	636166.16	4270552.29	UCART1	9.37
972	636206.16	4270552.29	UCART1	9.56
973	636486.16	4270552.29	UCART1	10.06
974	636526.16	4270552.29	UCART1	10.28
975	636606.16	4270552.29	UCART1	10.64
976	636646.16	4270552.29	UCART1	10.48
977	636686.16	4270552.29	UCART1	10.14
978	636726.16	4270552.29	UCART1	10.12
979	636766.16	4270552.29	UCART1	9.98
980	636806.16	4270552.29	UCART1	10.06

981	636846.16	4270552.29	UCART1	10.06
982	636886.16	4270552.29	UCART1	10.23
983	636926.16	4270552.29	UCART1	10.36
984	636966.16	4270552.29	UCART1	10.36
985	637006.16	4270552.29	UCART1	10.53
986	637046.16	4270552.29	UCART1	10.67
987	637086.16	4270552.29	UCART1	10.67
988	637126.16	4270552.29	UCART1	10.67
989	637166.16	4270552.29	UCART1	10.36
990	637206.16	4270552.29	UCART1	10.49
991	637646.16	4270552.29	UCART1	10.60
992	637686.16	4270552.29	UCART1	10.57
993	637726.16	4270552.29	UCART1	10.44
994	637766.16	4270552.29	UCART1	10.44
995	637806.16	4270552.29	UCART1	10.44
996	637846.16	4270552.29	UCART1	10.44
997	638046.16	4270552.29	UCART1	10.67
998	638086.16	4270552.29	UCART1	10.67
999	638326.16	4270552.29	UCART1	10.67
1,000	638366.16	4270552.29	UCART1	10.67
1,001	638406.16	4270552.29	UCART1	10.67
1,002	638446.16	4270552.29	UCART1	10.67
1,003	638486.16	4270552.29	UCART1	10.69
1,004	638526.16	4270552.29	UCART1	10.97
1,005	638566.16	4270552.29	UCART1	10.97
1,006	635966.16	4270592.29	UCART1	8.43
1,007	636006.16	4270592.29	UCART1	8.76
1,008	636046.16	4270592.29	UCART1	8.84
1,009	636126.16	4270592.29	UCART1	8.96
1,010	636166.16	4270592.29	UCART1	9.37
1,011	636206.16	4270592.29	UCART1	9.94
1,012	636286.16	4270592.29	UCART1	10.59
1,013	636326.16	4270592.29	UCART1	10.67
1,014	636366.16	4270592.29	UCART1	10.72
1,015	636406.16	4270592.29	UCART1	10.48
1,016	636486.16	4270592.29	UCART1	10.13
1,017	636526.16	4270592.29	UCART1	10.33
1,018	636606.16	4270592.29	UCART1	10.12

1,019	636646.16	4270592.29	UCART1	9.51
1,020	636686.16	4270592.29	UCART1	9.28
1,021	636726.16	4270592.29	UCART1	9.47
1,022	636766.16	4270592.29	UCART1	9.71
1,023	636806.16	4270592.29	UCART1	9.89
1,024	636846.16	4270592.29	UCART1	10.06
1,025	636886.16	4270592.29	UCART1	10.06
1,026	636926.16	4270592.29	UCART1	10.19
1,027	636966.16	4270592.29	UCART1	10.26
1,028	637006.16	4270592.29	UCART1	10.36
1,029	637046.16	4270592.29	UCART1	10.50
1,030	637086.16	4270592.29	UCART1	10.60
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1,032	637166.16	4270592.29	UCART1	10.36
1,033	637206.16	4270592.29	UCART1	10.49
1,034	637246.16	4270592.29	UCART1	10.67
1,035	637646.16	4270592.29	UCART1	10.05
1,036	637686.16	4270592.29	UCART1	10.56
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1,038	637766.16	4270592.29	UCART1	10.67
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1,041	638326.16	4270592.29	UCART1	10.67
1,042	638366.16	4270592.29	UCART1	10.67
1,043	638406.16	4270592.29	UCART1	10.67
1,044	638446.16	4270592.29	UCART1	10.67
1,045	638486.16	4270592.29	UCART1	10.68
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1,047	638566.16	4270592.29	UCART1	10.80
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1,051	636486.16	4270632.29	UCART1	10.35
1,052	636526.16	4270632.29	UCART1	10.57
1,053	636566.16	4270632.29	UCART1	10.05
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1,055	636646.16	4270632.29	UCART1	9.15
1,056	636686.16	4270632.29	UCART1	9.14

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1,058	636766.16	4270632.29	UCART1	9.40
1,059	636806.16	4270632.29	UCART1	9.76
1,060	636846.16	4270632.29	UCART1	9.78
1,061	636886.16	4270632.29	UCART1	9.78
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1,063	636966.16	4270632.29	UCART1	10.07
1,064	637006.16	4270632.29	UCART1	10.09
1,065	637046.16	4270632.29	UCART1	10.09
1,066	637086.16	4270632.29	UCART1	10.10
1,067	637126.16	4270632.29	UCART1	10.09
1,068	637166.16	4270632.29	UCART1	10.11
1,069	637206.16	4270632.29	UCART1	10.37
1,070	637246.16	4270632.29	UCART1	10.60
1,071	637686.16	4270632.29	UCART1	9.93
1,072	637726.16	4270632.29	UCART1	10.32
1,073	637766.16	4270632.29	UCART1	10.39
1,074	637806.16	4270632.29	UCART1	10.39
1,075	637846.16	4270632.29	UCART1	10.60
1,076	637886.16	4270632.29	UCART1	10.67
1,077	638366.16	4270632.29	UCART1	10.67
1,078	638406.16	4270632.29	UCART1	10.67
1,079	638446.16	4270632.29	UCART1	10.67
1,080	638486.16	4270632.29	UCART1	10.67
1,081	638526.16	4270632.29	UCART1	10.67
1,082	638566.16	4270632.29	UCART1	10.67
1,083	635966.16	4270672.29	UCART1	9.31
1,084	636006.16	4270672.29	UCART1	9.52
1,085	636046.16	4270672.29	UCART1	9.47
1,086	636126.16	4270672.29	UCART1	9.95
1,087	636166.16	4270672.29	UCART1	10.36
1,088	636206.16	4270672.29	UCART1	10.45
1,089	636246.16	4270672.29	UCART1	10.67
1,090	636486.16	4270672.29	UCART1	10.18
1,091	636526.16	4270672.29	UCART1	9.34
1,092	636566.16	4270672.29	UCART1	9.14
1,093	636646.16	4270672.29	UCART1	9.14
1,094	636686.16	4270672.29	UCART1	9.14

1,095	636726.16	4270672.29	UCART1	9.14
1,096	636766.16	4270672.29	UCART1	9.37
1,097	636806.16	4270672.29	UCART1	9.47
1,098	636846.16	4270672.29	UCART1	9.71
1,099	636886.16	4270672.29	UCART1	9.75
1,100	636926.16	4270672.29	UCART1	9.75
1,101	636966.16	4270672.29	UCART1	9.75
1,102	637006.16	4270672.29	UCART1	9.75
1,103	637046.16	4270672.29	UCART1	9.75
1,104	637086.16	4270672.29	UCART1	9.72
1,105	637126.16	4270672.29	UCART1	9.68
1,106	637166.16	4270672.29	UCART1	9.70
1,107	637206.16	4270672.29	UCART1	9.98
1,108	637246.16	4270672.29	UCART1	10.10
1,109	637686.16	4270672.29	UCART1	9.57
1,110	637726.16	4270672.29	UCART1	9.92
1,111	637766.16	4270672.29	UCART1	10.08
1,112	637806.16	4270672.29	UCART1	10.32
1,113	637846.16	4270672.29	UCART1	10.36
1,114	637886.16	4270672.29	UCART1	10.67
1,115	637926.16	4270672.29	UCART1	10.67
1,116	638446.16	4270672.29	UCART1	10.67
1,117	638486.16	4270672.29	UCART1	10.67
1,118	638526.16	4270672.29	UCART1	10.67
1,119	638566.16	4270672.29	UCART1	10.67
1,120	635966.16	4270712.29	UCART1	10.11
1,121	636006.16	4270712.29	UCART1	10.11
1,122	636046.16	4270712.29	UCART1	10.01
1,123	636126.16	4270712.29	UCART1	10.29
1,124	636166.16	4270712.29	UCART1	10.59
1,125	636206.16	4270712.29	UCART1	10.67
1,126	636246.16	4270712.29	UCART1	10.60
1,127	636486.16	4270712.29	UCART1	9.27
1,128	636526.16	4270712.29	UCART1	9.18
1,129	636566.16	4270712.29	UCART1	9.14
1,130	636606.16	4270712.29	UCART1	9.14
1,131	636686.16	4270712.29	UCART1	9.14
1,132	636726.16	4270712.29	UCART1	9.14

1,133	636766.16	4270712.29	UCART1	9.37
1,134	636806.16	4270712.29	UCART1	9.45
1,135	636846.16	4270712.29	UCART1	9.50
1,136	636886.16	4270712.29	UCART1	9.58
1,137	636926.16	4270712.29	UCART1	9.58
1,138	636966.16	4270712.29	UCART1	9.58
1,139	637006.16	4270712.29	UCART1	9.58
1,140	637046.16	4270712.29	UCART1	9.58
1,141	637086.16	4270712.29	UCART1	9.52
1,142	637126.16	4270712.29	UCART1	9.45
1,143	637166.16	4270712.29	UCART1	9.45
1,144	637206.16	4270712.29	UCART1	9.40
1,145	637246.16	4270712.29	UCART1	9.18
1,146	637686.16	4270712.29	UCART1	9.57
1,147	637726.16	4270712.29	UCART1	9.75
1,148	637766.16	4270712.29	UCART1	10.07
1,149	637806.16	4270712.29	UCART1	10.29
1,150	637846.16	4270712.29	UCART1	10.36
1,151	638446.16	4270712.29	UCART1	10.67
1,152	638486.16	4270712.29	UCART1	10.67
1,153	638526.16	4270712.29	UCART1	10.67
1,154	638566.16	4270712.29	UCART1	10.67
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1,156	635406.16	4270752.29	UCART1	7.65
1,157	635446.16	4270752.29	UCART1	7.65
1,158	635486.16	4270752.29	UCART1	7.70
1,159	635526.16	4270752.29	UCART1	7.75
1,160	635566.16	4270752.29	UCART1	7.53
1,161	635606.16	4270752.29	UCART1	7.41
1,162	635646.16	4270752.29	UCART1	7.50
1,163	635686.16	4270752.29	UCART1	7.32
1,164	635726.16	4270752.29	UCART1	7.93
1,165	635766.16	4270752.29	UCART1	8.83
1,166	635806.16	4270752.29	UCART1	8.99
1,167	635846.16	4270752.29	UCART1	9.37
1,168	635926.16	4270752.29	UCART1	10.54
1,169	635966.16	4270752.29	UCART1	10.66
1,170	636006.16	4270752.29	UCART1	10.81

1,171	636046.16	4270752.29	UCART1	10.64
1,172	636126.16	4270752.29	UCART1	10.09
1,173	636166.16	4270752.29	UCART1	10.31
1,174	636206.16	4270752.29	UCART1	10.39
1,175	636246.16	4270752.29	UCART1	10.27
1,176	636446.16	4270752.29	UCART1	9.14
1,177	636486.16	4270752.29	UCART1	9.14
1,178	636526.16	4270752.29	UCART1	9.14
1,179	636566.16	4270752.29	UCART1	9.14
1,180	636606.16	4270752.29	UCART1	9.14
1,181	636646.16	4270752.29	UCART1	9.14
1,182	636686.16	4270752.29	UCART1	9.14
1,183	636726.16	4270752.29	UCART1	9.14
1,184	636766.16	4270752.29	UCART1	9.37
1,185	636806.16	4270752.29	UCART1	9.45
1,186	636846.16	4270752.29	UCART1	9.45
1,187	636886.16	4270752.29	UCART1	9.45
1,188	636926.16	4270752.29	UCART1	9.45
1,189	636966.16	4270752.29	UCART1	9.45
1,190	637006.16	4270752.29	UCART1	9.45
1,191	637046.16	4270752.29	UCART1	9.45
1,192	637086.16	4270752.29	UCART1	9.45
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1,194	637166.16	4270752.29	UCART1	9.15
1,195	637206.16	4270752.29	UCART1	8.87
1,196	637246.16	4270752.29	UCART1	8.64
1,197	635246.16	4270792.29	UCART1	7.55
1,198	635286.16	4270792.29	UCART1	7.62
1,199	635326.16	4270792.29	UCART1	7.62
1,200	635366.16	4270792.29	UCART1	7.55
1,201	635406.16	4270792.29	UCART1	7.45
1,202	635446.16	4270792.29	UCART1	7.54
1,203	635486.16	4270792.29	UCART1	7.62
1,204	635526.16	4270792.29	UCART1	7.62
1,205	635566.16	4270792.29	UCART1	7.45
1,206	635606.16	4270792.29	UCART1	7.70
1,207	635646.16	4270792.29	UCART1	7.92
1,208	635686.16	4270792.29	UCART1	8.54

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1,210	635806.16	4270792.29	UCART1	10.13
1,211	635846.16	4270792.29	UCART1	10.52
1,212	635886.16	4270792.29	UCART1	10.67
1,213	635926.16	4270792.29	UCART1	10.61
1,214	635966.16	4270792.29	UCART1	10.52
1,215	636006.16	4270792.29	UCART1	10.49
1,216	636126.16	4270792.29	UCART1	9.63
1,217	636166.16	4270792.29	UCART1	9.85
1,218	636206.16	4270792.29	UCART1	9.61
1,219	636446.16	4270792.29	UCART1	9.14
1,220	636486.16	4270792.29	UCART1	9.14
1,221	636526.16	4270792.29	UCART1	9.14
1,222	636566.16	4270792.29	UCART1	9.14
1,223	636606.16	4270792.29	UCART1	9.14
1,224	636646.16	4270792.29	UCART1	9.14
1,225	636686.16	4270792.29	UCART1	9.14
1,226	636726.16	4270792.29	UCART1	9.14
1,227	636766.16	4270792.29	UCART1	9.37
1,228	636806.16	4270792.29	UCART1	9.45
1,229	636846.16	4270792.29	UCART1	9.45
1,230	636886.16	4270792.29	UCART1	9.45
1,231	636926.16	4270792.29	UCART1	9.45
1,232	636966.16	4270792.29	UCART1	9.45
1,233	637006.16	4270792.29	UCART1	9.45
1,234	637046.16	4270792.29	UCART1	9.45
1,235	637086.16	4270792.29	UCART1	9.45
1,236	637126.16	4270792.29	UCART1	9.22
1,237	637166.16	4270792.29	UCART1	9.05
1,238	637206.16	4270792.29	UCART1	8.72
1,239	637246.16	4270792.29	UCART1	8.31
1,240	638086.16	4270792.29	UCART1	10.67
1,241	638126.16	4270792.29	UCART1	10.67
1,242	638166.16	4270792.29	UCART1	10.67
1,243	638206.16	4270792.29	UCART1	10.67
1,244	638246.16	4270792.29	UCART1	10.67
1,245	638286.16	4270792.29	UCART1	10.67
1,246	638326.16	4270792.29	UCART1	10.67

1,247	638366.16	4270792.29	UCART1	10.67
1,248	638406.16	4270792.29	UCART1	10.67
1,249	638446.16	4270792.29	UCART1	10.67
1,250	638486.16	4270792.29	UCART1	10.67
1,251	638526.16	4270792.29	UCART1	10.67
1,252	638566.16	4270792.29	UCART1	10.67
1,253	635126.16	4270832.29	UCART1	7.62
1,254	635166.16	4270832.29	UCART1	7.62
1,255	635206.16	4270832.29	UCART1	7.49
1,256	635246.16	4270832.29	UCART1	7.32
1,257	635286.16	4270832.29	UCART1	7.44
1,258	635326.16	4270832.29	UCART1	7.44
1,259	635366.16	4270832.29	UCART1	7.32
1,260	635406.16	4270832.29	UCART1	7.39
1,261	635446.16	4270832.29	UCART1	7.59
1,262	635486.16	4270832.29	UCART1	7.63
1,263	635526.16	4270832.29	UCART1	7.80
1,264	635566.16	4270832.29	UCART1	7.93
1,265	635606.16	4270832.29	UCART1	8.30
1,266	635686.16	4270832.29	UCART1	9.24
1,267	635726.16	4270832.29	UCART1	9.77
1,268	635766.16	4270832.29	UCART1	10.11
1,269	635806.16	4270832.29	UCART1	10.59
1,270	635846.16	4270832.29	UCART1	10.77
1,271	635886.16	4270832.29	UCART1	10.42
1,272	635966.16	4270832.29	UCART1	9.87
1,273	636006.16	4270832.29	UCART1	9.58
1,274	636046.16	4270832.29	UCART1	9.31
1,275	636086.16	4270832.29	UCART1	8.97
1,276	636126.16	4270832.29	UCART1	9.09
1,277	636166.16	4270832.29	UCART1	9.40
1,278	636206.16	4270832.29	UCART1	9.15
1,279	636446.16	4270832.29	UCART1	9.14
1,280	636486.16	4270832.29	UCART1	9.14
1,281	636526.16	4270832.29	UCART1	9.14
1,282	636566.16	4270832.29	UCART1	9.14
1,283	636606.16	4270832.29	UCART1	9.14
1,284	636646.16	4270832.29	UCART1	9.14

1,285	636686.16	4270832.29	UCART1	9.14
1,286	636766.16	4270832.29	UCART1	9.37
1,287	636806.16	4270832.29	UCART1	9.45
1,288	636846.16	4270832.29	UCART1	9.45
1,289	636886.16	4270832.29	UCART1	9.45
1,290	636926.16	4270832.29	UCART1	9.45
1,291	636966.16	4270832.29	UCART1	9.45
1,292	637006.16	4270832.29	UCART1	9.45
1,293	637046.16	4270832.29	UCART1	9.45
1,294	637086.16	4270832.29	UCART1	9.38
1,295	637126.16	4270832.29	UCART1	9.18
1,296	637166.16	4270832.29	UCART1	8.84
1,297	637206.16	4270832.29	UCART1	8.72
1,298	637246.16	4270832.29	UCART1	8.31
1,299	637286.16	4270832.29	UCART1	8.09
1,300	638086.16	4270832.29	UCART1	10.67
1,301	638126.16	4270832.29	UCART1	10.67
1,302	638166.16	4270832.29	UCART1	10.67
1,303	638206.16	4270832.29	UCART1	10.67
1,304	638246.16	4270832.29	UCART1	10.67
1,305	638286.16	4270832.29	UCART1	10.67
1,306	638326.16	4270832.29	UCART1	10.67
1,307	638366.16	4270832.29	UCART1	10.67
1,308	638406.16	4270832.29	UCART1	10.67
1,309	638446.16	4270832.29	UCART1	10.67
1,310	638486.16	4270832.29	UCART1	10.67
1,311	638526.16	4270832.29	UCART1	10.67
1,312	638566.16	4270832.29	UCART1	10.67
1,313	635126.16	4270872.29	UCART1	7.34
1,314	635166.16	4270872.29	UCART1	7.34
1,315	635206.16	4270872.29	UCART1	7.32
1,316	635246.16	4270872.29	UCART1	7.32
1,317	635286.16	4270872.29	UCART1	7.32
1,318	635326.16	4270872.29	UCART1	7.52
1,319	635366.16	4270872.29	UCART1	7.59
1,320	635406.16	4270872.29	UCART1	7.60
1,321	635446.16	4270872.29	UCART1	7.62
1,322	635486.16	4270872.29	UCART1	7.90

1,323	635526.16	4270872.29	UCART1	8.04
1,324	635566.16	4270872.29	UCART1	8.43
1,325	635646.16	4270872.29	UCART1	9.13
1,326	635686.16	4270872.29	UCART1	9.37
1,327	635726.16	4270872.29	UCART1	9.50
1,328	635766.16	4270872.29	UCART1	9.90
1,329	635846.16	4270872.29	UCART1	10.11
1,330	635886.16	4270872.29	UCART1	9.96
1,331	635926.16	4270872.29	UCART1	9.57
1,332	635966.16	4270872.29	UCART1	9.20
1,333	636006.16	4270872.29	UCART1	9.05
1,334	636046.16	4270872.29	UCART1	8.87
1,335	636086.16	4270872.29	UCART1	8.86
1,336	636126.16	4270872.29	UCART1	9.02
1,337	636166.16	4270872.29	UCART1	8.68
1,338	636206.16	4270872.29	UCART1	8.05
1,339	636246.16	4270872.29	UCART1	8.42
1,340	636286.16	4270872.29	UCART1	8.55
1,341	636406.16	4270872.29	UCART1	9.28
1,342	636446.16	4270872.29	UCART1	9.40
1,343	636486.16	4270872.29	UCART1	9.14
1,344	636526.16	4270872.29	UCART1	9.14
1,345	636566.16	4270872.29	UCART1	9.14
1,346	636606.16	4270872.29	UCART1	9.14
1,347	636646.16	4270872.29	UCART1	9.14
1,348	636686.16	4270872.29	UCART1	9.14
1,349	636726.16	4270872.29	UCART1	9.14
1,350	636806.16	4270872.29	UCART1	9.45
1,351	636846.16	4270872.29	UCART1	9.45
1,352	636886.16	4270872.29	UCART1	9.45
1,353	636926.16	4270872.29	UCART1	9.45
1,354	636966.16	4270872.29	UCART1	9.45
1,355	637006.16	4270872.29	UCART1	9.45
1,356	637046.16	4270872.29	UCART1	9.43
1,357	637086.16	4270872.29	UCART1	9.16
1,358	637126.16	4270872.29	UCART1	9.14
1,359	637166.16	4270872.29	UCART1	8.84
1,360	637206.16	4270872.29	UCART1	8.72

1,361	637246.16	4270872.29	UCART1	8.51
1,362	637286.16	4270872.29	UCART1	8.21
1,363	638086.16	4270872.29	UCART1	10.67
1,364	638126.16	4270872.29	UCART1	10.67
1,365	638166.16	4270872.29	UCART1	10.67
1,366	638206.16	4270872.29	UCART1	10.67
1,367	638246.16	4270872.29	UCART1	10.67
1,368	638286.16	4270872.29	UCART1	10.67
1,369	638326.16	4270872.29	UCART1	10.67
1,370	638366.16	4270872.29	UCART1	10.67
1,371	638406.16	4270872.29	UCART1	10.67
1,372	638446.16	4270872.29	UCART1	10.67
1,373	638486.16	4270872.29	UCART1	10.67
1,374	638526.16	4270872.29	UCART1	10.67
1,375	638566.16	4270872.29	UCART1	10.67
1,376	635166.16	4270912.29	UCART1	7.32
1,377	635206.16	4270912.29	UCART1	7.32
1,378	635246.16	4270912.29	UCART1	7.32
1,379	635286.16	4270912.29	UCART1	7.44
1,380	635326.16	4270912.29	UCART1	7.62
1,381	635366.16	4270912.29	UCART1	7.62
1,382	635406.16	4270912.29	UCART1	7.71
1,383	635446.16	4270912.29	UCART1	7.91
1,384	635486.16	4270912.29	UCART1	7.92
1,385	635526.16	4270912.29	UCART1	8.05
1,386	635766.16	4270912.29	UCART1	9.33
1,387	635846.16	4270912.29	UCART1	9.37
1,388	635886.16	4270912.29	UCART1	9.37
1,389	635926.16	4270912.29	UCART1	9.20
1,390	635966.16	4270912.29	UCART1	8.84
1,391	636006.16	4270912.29	UCART1	8.84
1,392	636046.16	4270912.29	UCART1	8.78
1,393	636086.16	4270912.29	UCART1	8.53
1,394	636166.16	4270912.29	UCART1	7.70
1,395	636206.16	4270912.29	UCART1	7.64
1,396	636246.16	4270912.29	UCART1	7.94
1,397	636286.16	4270912.29	UCART1	8.14
1,398	636406.16	4270912.29	UCART1	9.28

1,399	636446.16	4270912.29	UCART1	9.36
1,400	636486.16	4270912.29	UCART1	9.14
1,401	636526.16	4270912.29	UCART1	9.14
1,402	636566.16	4270912.29	UCART1	9.14
1,403	636606.16	4270912.29	UCART1	9.14
1,404	636646.16	4270912.29	UCART1	9.14
1,405	636686.16	4270912.29	UCART1	9.14
1,406	636726.16	4270912.29	UCART1	9.14
1,407	636766.16	4270912.29	UCART1	9.37
1,408	636846.16	4270912.29	UCART1	9.45
1,409	636886.16	4270912.29	UCART1	9.45
1,410	636926.16	4270912.29	UCART1	9.45
1,411	636966.16	4270912.29	UCART1	9.45
1,412	637006.16	4270912.29	UCART1	9.39
1,413	637046.16	4270912.29	UCART1	9.14
1,414	637086.16	4270912.29	UCART1	9.14
1,415	637126.16	4270912.29	UCART1	8.92
1,416	637166.16	4270912.29	UCART1	8.84
1,417	637206.16	4270912.29	UCART1	8.72
1,418	637246.16	4270912.29	UCART1	8.53
1,419	637286.16	4270912.29	UCART1	8.28
1,420	638086.16	4270912.29	UCART1	10.67
1,421	638126.16	4270912.29	UCART1	10.67
1,422	638166.16	4270912.29	UCART1	10.67
1,423	638206.16	4270912.29	UCART1	10.67
1,424	638246.16	4270912.29	UCART1	10.67
1,425	638286.16	4270912.29	UCART1	10.67
1,426	638326.16	4270912.29	UCART1	10.67
1,427	638366.16	4270912.29	UCART1	10.67
1,428	638406.16	4270912.29	UCART1	10.67
1,429	638446.16	4270912.29	UCART1	10.67
1,430	638486.16	4270912.29	UCART1	10.59
1,431	638526.16	4270912.29	UCART1	10.50
1,432	638566.16	4270912.29	UCART1	10.31
1,433	635166.16	4270952.29	UCART1	7.14
1,434	635206.16	4270952.29	UCART1	7.27
1,435	635246.16	4270952.29	UCART1	7.32
1,436	635286.16	4270952.29	UCART1	7.37

1,437	635326.16	4270952.29	UCART1	7.57
1,438	635366.16	4270952.29	UCART1	7.62
1,439	635406.16	4270952.29	UCART1	7.62
1,440	635446.16	4270952.29	UCART1	7.72
1,441	635486.16	4270952.29	UCART1	7.92
1,442	635686.16	4270952.29	UCART1	8.76
1,443	635726.16	4270952.29	UCART1	8.78
1,444	635766.16	4270952.29	UCART1	8.72
1,445	635846.16	4270952.29	UCART1	8.80
1,446	635886.16	4270952.29	UCART1	8.97
1,447	635926.16	4270952.29	UCART1	8.97
1,448	635966.16	4270952.29	UCART1	8.83
1,449	636006.16	4270952.29	UCART1	8.66
1,450	636046.16	4270952.29	UCART1	8.57
1,451	636086.16	4270952.29	UCART1	8.51
1,452	636126.16	4270952.29	UCART1	8.18
1,453	636166.16	4270952.29	UCART1	7.88
1,454	636206.16	4270952.29	UCART1	7.80
1,455	636246.16	4270952.29	UCART1	7.87
1,456	636366.16	4270952.29	UCART1	9.30
1,457	636406.16	4270952.29	UCART1	9.45
1,458	636446.16	4270952.29	UCART1	9.14
1,459	636486.16	4270952.29	UCART1	9.14
1,460	636526.16	4270952.29	UCART1	9.14
1,461	636566.16	4270952.29	UCART1	9.14
1,462	636606.16	4270952.29	UCART1	9.14
1,463	636646.16	4270952.29	UCART1	9.14
1,464	636686.16	4270952.29	UCART1	9.14
1,465	636726.16	4270952.29	UCART1	9.14
1,466	636766.16	4270952.29	UCART1	9.37
1,467	636806.16	4270952.29	UCART1	9.45
1,468	636886.16	4270952.29	UCART1	9.45
1,469	636926.16	4270952.29	UCART1	9.45
1,470	636966.16	4270952.29	UCART1	9.45
1,471	637006.16	4270952.29	UCART1	9.22
1,472	637046.16	4270952.29	UCART1	9.14
1,473	637086.16	4270952.29	UCART1	9.14
1,474	637126.16	4270952.29	UCART1	9.05

1,475	637166.16	4270952.29	UCART1	8.84
1,476	637206.16	4270952.29	UCART1	8.79
1,477	637246.16	4270952.29	UCART1	8.58
1,478	637286.16	4270952.29	UCART1	8.53
1,479	638086.16	4270952.29	UCART1	10.67
1,480	638126.16	4270952.29	UCART1	10.67
1,481	638166.16	4270952.29	UCART1	10.67
1,482	638206.16	4270952.29	UCART1	10.67
1,483	638246.16	4270952.29	UCART1	10.67
1,484	638286.16	4270952.29	UCART1	10.67
1,485	638326.16	4270952.29	UCART1	10.67
1,486	638366.16	4270952.29	UCART1	10.67
1,487	638406.16	4270952.29	UCART1	10.67
1,488	638446.16	4270952.29	UCART1	10.67
1,489	638486.16	4270952.29	UCART1	10.36
1,490	638526.16	4270952.29	UCART1	10.29
1,491	638566.16	4270952.29	UCART1	10.09
1,492	634846.16	4270992.29	UCART1	7.01
1,493	634886.16	4270992.29	UCART1	7.01
1,494	634926.16	4270992.29	UCART1	7.15
1,495	634966.16	4270992.29	UCART1	7.32
1,496	635166.16	4270992.29	UCART1	7.01
1,497	635206.16	4270992.29	UCART1	7.03
1,498	635246.16	4270992.29	UCART1	7.32
1,499	635286.16	4270992.29	UCART1	7.32
1,500	635326.16	4270992.29	UCART1	7.54
1,501	635366.16	4270992.29	UCART1	7.62
1,502	635406.16	4270992.29	UCART1	7.62
1,503	635446.16	4270992.29	UCART1	7.62
1,504	635486.16	4270992.29	UCART1	7.67
1,505	635526.16	4270992.29	UCART1	7.92
1,506	635646.16	4270992.29	UCART1	8.13
1,507	635686.16	4270992.29	UCART1	7.98
1,508	635726.16	4270992.29	UCART1	7.98
1,509	635766.16	4270992.29	UCART1	7.98
1,510	635806.16	4270992.29	UCART1	7.98
1,511	635846.16	4270992.29	UCART1	8.00
1,512	635886.16	4270992.29	UCART1	8.40

1,513	635926.16	4270992.29	UCART1	8.56
1,514	635966.16	4270992.29	UCART1	8.56
1,515	636006.16	4270992.29	UCART1	8.53
1,516	636046.16	4270992.29	UCART1	8.53
1,517	636086.16	4270992.29	UCART1	8.53
1,518	636126.16	4270992.29	UCART1	8.39
1,519	636206.16	4270992.29	UCART1	8.22
1,520	636246.16	4270992.29	UCART1	8.60
1,521	636366.16	4270992.29	UCART1	9.28
1,522	636406.16	4270992.29	UCART1	9.45
1,523	636446.16	4270992.29	UCART1	9.14
1,524	636486.16	4270992.29	UCART1	9.14
1,525	636526.16	4270992.29	UCART1	9.14
1,526	636566.16	4270992.29	UCART1	9.14
1,527	636606.16	4270992.29	UCART1	9.14
1,528	636646.16	4270992.29	UCART1	9.14
1,529	636686.16	4270992.29	UCART1	9.14
1,530	636726.16	4270992.29	UCART1	9.26
1,531	636766.16	4270992.29	UCART1	9.44
1,532	636806.16	4270992.29	UCART1	9.45
1,533	636846.16	4270992.29	UCART1	9.45
1,534	636886.16	4270992.29	UCART1	9.45
1,535	636926.16	4270992.29	UCART1	9.45
1,536	636966.16	4270992.29	UCART1	9.45
1,537	637006.16	4270992.29	UCART1	9.43
1,538	637046.16	4270992.29	UCART1	9.14
1,539	637086.16	4270992.29	UCART1	9.14
1,540	637126.16	4270992.29	UCART1	9.14
1,541	637166.16	4270992.29	UCART1	9.10
1,542	637206.16	4270992.29	UCART1	8.84
1,543	637246.16	4270992.29	UCART1	8.82
1,544	637286.16	4270992.29	UCART1	8.79
1,545	638086.16	4270992.29	UCART1	10.67
1,546	638126.16	4270992.29	UCART1	10.67
1,547	638166.16	4270992.29	UCART1	10.67
1,548	638206.16	4270992.29	UCART1	10.67
1,549	638246.16	4270992.29	UCART1	10.67
1,550	638286.16	4270992.29	UCART1	10.67

1,551	638326.16	4270992.29	UCART1	10.67
1,552	638366.16	4270992.29	UCART1	10.67
1,553	638406.16	4270992.29	UCART1	10.67
1,554	638446.16	4270992.29	UCART1	10.67
1,555	638486.16	4270992.29	UCART1	10.06
1,556	638526.16	4270992.29	UCART1	9.80
1,557	638566.16	4270992.29	UCART1	9.78
1,558	634806.16	4271032.29	UCART1	6.87
1,559	634846.16	4271032.29	UCART1	7.01
1,560	634886.16	4271032.29	UCART1	7.01
1,561	634926.16	4271032.29	UCART1	7.01
1,562	634966.16	4271032.29	UCART1	7.01
1,563	635006.16	4271032.29	UCART1	7.01
1,564	635046.16	4271032.29	UCART1	7.01
1,565	635086.16	4271032.29	UCART1	7.01
1,566	635166.16	4271032.29	UCART1	7.01
1,567	635206.16	4271032.29	UCART1	7.01
1,568	635246.16	4271032.29	UCART1	7.32
1,569	635286.16	4271032.29	UCART1	7.32
1,570	635326.16	4271032.29	UCART1	7.32
1,571	635366.16	4271032.29	UCART1	7.62
1,572	635406.16	4271032.29	UCART1	7.62
1,573	635446.16	4271032.29	UCART1	7.62
1,574	635486.16	4271032.29	UCART1	7.62
1,575	635526.16	4271032.29	UCART1	7.62
1,576	635566.16	4271032.29	UCART1	7.62
1,577	635606.16	4271032.29	UCART1	7.62
1,578	635646.16	4271032.29	UCART1	7.62
1,579	635686.16	4271032.29	UCART1	7.62
1,580	635726.16	4271032.29	UCART1	7.62
1,581	635766.16	4271032.29	UCART1	7.71
1,582	635806.16	4271032.29	UCART1	7.85
1,583	635846.16	4271032.29	UCART1	7.62
1,584	635886.16	4271032.29	UCART1	7.74
1,585	635926.16	4271032.29	UCART1	8.09
1,586	635966.16	4271032.29	UCART1	8.25
1,587	636006.16	4271032.29	UCART1	8.46
1,588	636046.16	4271032.29	UCART1	8.51

1,589	636126.16	4271032.29	UCART1	8.56
1,590	636166.16	4271032.29	UCART1	8.61
1,591	636206.16	4271032.29	UCART1	8.63
1,592	636326.16	4271032.29	UCART1	9.45
1,593	636366.16	4271032.29	UCART1	9.45
1,594	636406.16	4271032.29	UCART1	9.45
1,595	636446.16	4271032.29	UCART1	9.14
1,596	636486.16	4271032.29	UCART1	9.14
1,597	636526.16	4271032.29	UCART1	9.14
1,598	636566.16	4271032.29	UCART1	9.14
1,599	636606.16	4271032.29	UCART1	9.14
1,600	636646.16	4271032.29	UCART1	9.14
1,601	636686.16	4271032.29	UCART1	9.38
1,602	636726.16	4271032.29	UCART1	9.45
1,603	636766.16	4271032.29	UCART1	9.45
1,604	636806.16	4271032.29	UCART1	9.45
1,605	636846.16	4271032.29	UCART1	9.45
1,606	636886.16	4271032.29	UCART1	9.45
1,607	636926.16	4271032.29	UCART1	9.45
1,608	636966.16	4271032.29	UCART1	9.45
1,609	637006.16	4271032.29	UCART1	9.45
1,610	637046.16	4271032.29	UCART1	9.43
1,611	637086.16	4271032.29	UCART1	9.19
1,612	637126.16	4271032.29	UCART1	9.14
1,613	637166.16	4271032.29	UCART1	9.14
1,614	637206.16	4271032.29	UCART1	9.05
1,615	637246.16	4271032.29	UCART1	8.91
1,616	637286.16	4271032.29	UCART1	8.84
1,617	637846.16	4271032.29	UCART1	9.60
1,618	637886.16	4271032.29	UCART1	9.77
1,619	637926.16	4271032.29	UCART1	10.01
1,620	637966.16	4271032.29	UCART1	10.28
1,621	638086.16	4271032.29	UCART1	10.72
1,622	638126.16	4271032.29	UCART1	10.97
1,623	638166.16	4271032.29	UCART1	10.97
1,624	638206.16	4271032.29	UCART1	10.92
1,625	638246.16	4271032.29	UCART1	10.67
1,626	638286.16	4271032.29	UCART1	10.64

1,627	638326.16	4271032.29	UCART1	10.59
1,628	638366.16	4271032.29	UCART1	10.57
1,629	638406.16	4271032.29	UCART1	9.97
1,630	638446.16	4271032.29	UCART1	9.26
1,631	638486.16	4271032.29	UCART1	9.22
1,632	638526.16	4271032.29	UCART1	9.19
1,633	638566.16	4271032.29	UCART1	9.31
1,634	634766.16	4271072.29	UCART1	6.89
1,635	634806.16	4271072.29	UCART1	7.01
1,636	634846.16	4271072.29	UCART1	7.01
1,637	634886.16	4271072.29	UCART1	7.01
1,638	634926.16	4271072.29	UCART1	7.01
1,639	634966.16	4271072.29	UCART1	7.01
1,640	635006.16	4271072.29	UCART1	7.01
1,641	635046.16	4271072.29	UCART1	7.01
1,642	635086.16	4271072.29	UCART1	7.01
1,643	635126.16	4271072.29	UCART1	7.01
1,644	635166.16	4271072.29	UCART1	7.01
1,645	635206.16	4271072.29	UCART1	7.01
1,646	635246.16	4271072.29	UCART1	7.32
1,647	635286.16	4271072.29	UCART1	7.32
1,648	635326.16	4271072.29	UCART1	7.32
1,649	635366.16	4271072.29	UCART1	7.62
1,650	635406.16	4271072.29	UCART1	7.62
1,651	635446.16	4271072.29	UCART1	7.62
1,652	635486.16	4271072.29	UCART1	7.62
1,653	635526.16	4271072.29	UCART1	7.62
1,654	635566.16	4271072.29	UCART1	7.62
1,655	635606.16	4271072.29	UCART1	7.62
1,656	635646.16	4271072.29	UCART1	7.62
1,657	635686.16	4271072.29	UCART1	7.62
1,658	635726.16	4271072.29	UCART1	7.62
1,659	635806.16	4271072.29	UCART1	7.62
1,660	635886.16	4271072.29	UCART1	7.74
1,661	635926.16	4271072.29	UCART1	7.92
1,662	635966.16	4271072.29	UCART1	8.23
1,663	636046.16	4271072.29	UCART1	8.46
1,664	636086.16	4271072.29	UCART1	8.55

1,665	636126.16	4271072.29	UCART1	8.76
1,666	636166.16	4271072.29	UCART1	8.84
1,667	636286.16	4271072.29	UCART1	9.14
1,668	636326.16	4271072.29	UCART1	9.45
1,669	636366.16	4271072.29	UCART1	9.45
1,670	636406.16	4271072.29	UCART1	9.45
1,671	636446.16	4271072.29	UCART1	9.14
1,672	636486.16	4271072.29	UCART1	9.14
1,673	636526.16	4271072.29	UCART1	9.14
1,674	636566.16	4271072.29	UCART1	9.14
1,675	636606.16	4271072.29	UCART1	9.14
1,676	636646.16	4271072.29	UCART1	9.14
1,677	636686.16	4271072.29	UCART1	9.15
1,678	636726.16	4271072.29	UCART1	9.34
1,679	636766.16	4271072.29	UCART1	9.45
1,680	636806.16	4271072.29	UCART1	9.45
1,681	636846.16	4271072.29	UCART1	9.45
1,682	636886.16	4271072.29	UCART1	9.32
1,683	636966.16	4271072.29	UCART1	9.34
1,684	637006.16	4271072.29	UCART1	9.45
1,685	637046.16	4271072.29	UCART1	9.45
1,686	637086.16	4271072.29	UCART1	9.40
1,687	637126.16	4271072.29	UCART1	9.19
1,688	637166.16	4271072.29	UCART1	9.14
1,689	637206.16	4271072.29	UCART1	9.14
1,690	637246.16	4271072.29	UCART1	9.14
1,691	637286.16	4271072.29	UCART1	9.03
1,692	637846.16	4271072.29	UCART1	9.37
1,693	637886.16	4271072.29	UCART1	9.59
1,694	637926.16	4271072.29	UCART1	9.88
1,695	637966.16	4271072.29	UCART1	10.28
1,696	638086.16	4271072.29	UCART1	10.76
1,697	638126.16	4271072.29	UCART1	10.80
1,698	638166.16	4271072.29	UCART1	10.80
1,699	638206.16	4271072.29	UCART1	10.70
1,700	638246.16	4271072.29	UCART1	10.66
1,701	638286.16	4271072.29	UCART1	10.44
1,702	638326.16	4271072.29	UCART1	10.23

1,703	638366.16	4271072.29	UCART1	10.14
1,704	638406.16	4271072.29	UCART1	9.40
1,705	638446.16	4271072.29	UCART1	9.27
1,706	638486.16	4271072.29	UCART1	9.46
1,707	638526.16	4271072.29	UCART1	9.50
1,708	638566.16	4271072.29	UCART1	9.32
1,709	634726.16	4271112.29	UCART1	6.91
1,710	634766.16	4271112.29	UCART1	7.01
1,711	634806.16	4271112.29	UCART1	7.01
1,712	634846.16	4271112.29	UCART1	7.01
1,713	634886.16	4271112.29	UCART1	7.01
1,714	634926.16	4271112.29	UCART1	7.01
1,715	634966.16	4271112.29	UCART1	7.01
1,716	635006.16	4271112.29	UCART1	7.01
1,717	635046.16	4271112.29	UCART1	7.01
1,718	635086.16	4271112.29	UCART1	7.01
1,719	635126.16	4271112.29	UCART1	7.01
1,720	635166.16	4271112.29	UCART1	7.01
1,721	635246.16	4271112.29	UCART1	7.32
1,722	635286.16	4271112.29	UCART1	7.32
1,723	635326.16	4271112.29	UCART1	7.52
1,724	635366.16	4271112.29	UCART1	7.62
1,725	635406.16	4271112.29	UCART1	7.62
1,726	635446.16	4271112.29	UCART1	7.62
1,727	635486.16	4271112.29	UCART1	7.62
1,728	635526.16	4271112.29	UCART1	7.62
1,729	635566.16	4271112.29	UCART1	7.62
1,730	635606.16	4271112.29	UCART1	7.62
1,731	635646.16	4271112.29	UCART1	7.62
1,732	635686.16	4271112.29	UCART1	7.62
1,733	635726.16	4271112.29	UCART1	7.62
1,734	635766.16	4271112.29	UCART1	7.62
1,735	635806.16	4271112.29	UCART1	7.62
1,736	635846.16	4271112.29	UCART1	7.64
1,737	635886.16	4271112.29	UCART1	7.91
1,738	635926.16	4271112.29	UCART1	7.92
1,739	636006.16	4271112.29	UCART1	8.06
1,740	636046.16	4271112.29	UCART1	8.46

1,741	636086.16	4271112.29	UCART1	8.81
1,742	636126.16	4271112.29	UCART1	8.84
1,743	636246.16	4271112.29	UCART1	9.14
1,744	636286.16	4271112.29	UCART1	9.14
1,745	636326.16	4271112.29	UCART1	9.45
1,746	636366.16	4271112.29	UCART1	9.45
1,747	636406.16	4271112.29	UCART1	9.45
1,748	636446.16	4271112.29	UCART1	9.14
1,749	636486.16	4271112.29	UCART1	9.14
1,750	636526.16	4271112.29	UCART1	9.14
1,751	636566.16	4271112.29	UCART1	9.14
1,752	636606.16	4271112.29	UCART1	9.14
1,753	636646.16	4271112.29	UCART1	9.14
1,754	636686.16	4271112.29	UCART1	9.14
1,755	636726.16	4271112.29	UCART1	9.15
1,756	636766.16	4271112.29	UCART1	9.38
1,757	636806.16	4271112.29	UCART1	9.45
1,758	636846.16	4271112.29	UCART1	9.34
1,759	636886.16	4271112.29	UCART1	9.15
1,760	636926.16	4271112.29	UCART1	9.14
1,761	637006.16	4271112.29	UCART1	9.38
1,762	637046.16	4271112.29	UCART1	9.45
1,763	637086.16	4271112.29	UCART1	9.45
1,764	637126.16	4271112.29	UCART1	9.43
1,765	637166.16	4271112.29	UCART1	9.40
1,766	637206.16	4271112.29	UCART1	9.14
1,767	637246.16	4271112.29	UCART1	9.14
1,768	637286.16	4271112.29	UCART1	9.14
1,769	637886.16	4271112.29	UCART1	9.47
1,770	637926.16	4271112.29	UCART1	9.88
1,771	637966.16	4271112.29	UCART1	10.28
1,772	638086.16	4271112.29	UCART1	10.67
1,773	638126.16	4271112.29	UCART1	10.67
1,774	638166.16	4271112.29	UCART1	10.67
1,775	638206.16	4271112.29	UCART1	10.67
1,776	638246.16	4271112.29	UCART1	10.39
1,777	638286.16	4271112.29	UCART1	10.36
1,778	638326.16	4271112.29	UCART1	10.14

1,779	638366.16	4271112.29	UCART1	9.50
1,780	638406.16	4271112.29	UCART1	9.32
1,781	638446.16	4271112.29	UCART1	9.37
1,782	638486.16	4271112.29	UCART1	9.75
1,783	638526.16	4271112.29	UCART1	9.91
1,784	638566.16	4271112.29	UCART1	9.73
1,785	634726.16	4271152.29	UCART1	7.01
1,786	634766.16	4271152.29	UCART1	7.01
1,787	634806.16	4271152.29	UCART1	7.01
1,788	634846.16	4271152.29	UCART1	7.01
1,789	634886.16	4271152.29	UCART1	7.01
1,790	634926.16	4271152.29	UCART1	7.01
1,791	634966.16	4271152.29	UCART1	7.01
1,792	635006.16	4271152.29	UCART1	7.01
1,793	635046.16	4271152.29	UCART1	7.01
1,794	635086.16	4271152.29	UCART1	7.01
1,795	635126.16	4271152.29	UCART1	7.09
1,796	635166.16	4271152.29	UCART1	7.18
1,797	635286.16	4271152.29	UCART1	7.32
1,798	635326.16	4271152.29	UCART1	7.54
1,799	635366.16	4271152.29	UCART1	7.62
1,800	635406.16	4271152.29	UCART1	7.62
1,801	635446.16	4271152.29	UCART1	7.62
1,802	635486.16	4271152.29	UCART1	7.69
1,803	635526.16	4271152.29	UCART1	7.62
1,804	635566.16	4271152.29	UCART1	7.62
1,805	635606.16	4271152.29	UCART1	7.62
1,806	635646.16	4271152.29	UCART1	7.62
1,807	635686.16	4271152.29	UCART1	7.62
1,808	635726.16	4271152.29	UCART1	7.62
1,809	635766.16	4271152.29	UCART1	7.62
1,810	635806.16	4271152.29	UCART1	7.68
1,811	635846.16	4271152.29	UCART1	7.92
1,812	635886.16	4271152.29	UCART1	7.92
1,813	635926.16	4271152.29	UCART1	7.92
1,814	635966.16	4271152.29	UCART1	7.92
1,815	636006.16	4271152.29	UCART1	7.85
1,816	636046.16	4271152.29	UCART1	8.36

1,817	636206.16	4271152.29	UCART1	9.14
1,818	636246.16	4271152.29	UCART1	9.14
1,819	636286.16	4271152.29	UCART1	9.14
1,820	636326.16	4271152.29	UCART1	9.45
1,821	636366.16	4271152.29	UCART1	9.42
1,822	636406.16	4271152.29	UCART1	9.20
1,823	636446.16	4271152.29	UCART1	9.14
1,824	636486.16	4271152.29	UCART1	9.14
1,825	636526.16	4271152.29	UCART1	9.14
1,826	636566.16	4271152.29	UCART1	9.14
1,827	636606.16	4271152.29	UCART1	9.14
1,828	636646.16	4271152.29	UCART1	9.14
1,829	636686.16	4271152.29	UCART1	9.14
1,830	636726.16	4271152.29	UCART1	9.14
1,831	636766.16	4271152.29	UCART1	9.37
1,832	636806.16	4271152.29	UCART1	9.45
1,833	636846.16	4271152.29	UCART1	9.36
1,834	636886.16	4271152.29	UCART1	9.16
1,835	636926.16	4271152.29	UCART1	9.14
1,836	636966.16	4271152.29	UCART1	9.14
1,837	637046.16	4271152.29	UCART1	9.45
1,838	637086.16	4271152.29	UCART1	9.45
1,839	637126.16	4271152.29	UCART1	9.45
1,840	637166.16	4271152.29	UCART1	9.45
1,841	637206.16	4271152.29	UCART1	9.48
1,842	637246.16	4271152.29	UCART1	9.52
1,843	637286.16	4271152.29	UCART1	9.52
1,844	637886.16	4271152.29	UCART1	9.47
1,845	637926.16	4271152.29	UCART1	9.88
1,846	637966.16	4271152.29	UCART1	10.28
1,847	634686.16	4271192.29	UCART1	7.01
1,848	634726.16	4271192.29	UCART1	7.01
1,849	634766.16	4271192.29	UCART1	7.01
1,850	634806.16	4271192.29	UCART1	7.01
1,851	634846.16	4271192.29	UCART1	7.01
1,852	634886.16	4271192.29	UCART1	7.01
1,853	634926.16	4271192.29	UCART1	7.01
1,854	634966.16	4271192.29	UCART1	7.01

1,855	635006.16	4271192.29	UCART1	7.01
1,856	635046.16	4271192.29	UCART1	7.08
1,857	635086.16	4271192.29	UCART1	7.19
1,858	635126.16	4271192.29	UCART1	7.32
1,859	635166.16	4271192.29	UCART1	7.32
1,860	635246.16	4271192.29	UCART1	7.32
1,861	635326.16	4271192.29	UCART1	7.54
1,862	635366.16	4271192.29	UCART1	7.62
1,863	635406.16	4271192.29	UCART1	7.69
1,864	635446.16	4271192.29	UCART1	7.80
1,865	635486.16	4271192.29	UCART1	7.92
1,866	635526.16	4271192.29	UCART1	7.72
1,867	635566.16	4271192.29	UCART1	7.62
1,868	635606.16	4271192.29	UCART1	7.62
1,869	635646.16	4271192.29	UCART1	7.62
1,870	635686.16	4271192.29	UCART1	7.62
1,871	635726.16	4271192.29	UCART1	7.62
1,872	635766.16	4271192.29	UCART1	7.62
1,873	635846.16	4271192.29	UCART1	7.76
1,874	635926.16	4271192.29	UCART1	7.75
1,875	635966.16	4271192.29	UCART1	7.74
1,876	636006.16	4271192.29	UCART1	7.62
1,877	636166.16	4271192.29	UCART1	9.14
1,878	636206.16	4271192.29	UCART1	9.14
1,879	636246.16	4271192.29	UCART1	9.14
1,880	636286.16	4271192.29	UCART1	9.14
1,881	636326.16	4271192.29	UCART1	9.27
1,882	636366.16	4271192.29	UCART1	9.22
1,883	636406.16	4271192.29	UCART1	9.14
1,884	636446.16	4271192.29	UCART1	9.14
1,885	636486.16	4271192.29	UCART1	9.14
1,886	636526.16	4271192.29	UCART1	9.14
1,887	636566.16	4271192.29	UCART1	9.14
1,888	636606.16	4271192.29	UCART1	9.14
1,889	636646.16	4271192.29	UCART1	9.14
1,890	636686.16	4271192.29	UCART1	9.14
1,891	636726.16	4271192.29	UCART1	9.14
1,892	636766.16	4271192.29	UCART1	9.24

1,893	636806.16	4271192.29	UCART1	9.45
1,894	636846.16	4271192.29	UCART1	9.45
1,895	636886.16	4271192.29	UCART1	9.35
1,896	636926.16	4271192.29	UCART1	9.14
1,897	636966.16	4271192.29	UCART1	9.14
1,898	637006.16	4271192.29	UCART1	9.14
1,899	637046.16	4271192.29	UCART1	9.45
1,900	637086.16	4271192.29	UCART1	9.45
1,901	637206.16	4271192.29	UCART1	9.68
1,902	637246.16	4271192.29	UCART1	9.75
1,903	637806.16	4271192.29	UCART1	8.48
1,904	637846.16	4271192.29	UCART1	9.06
1,905	637886.16	4271192.29	UCART1	9.47
1,906	637926.16	4271192.29	UCART1	9.88
1,907	637966.16	4271192.29	UCART1	10.28
1,908	638086.16	4271192.29	UCART1	10.44
1,909	638126.16	4271192.29	UCART1	10.36
1,910	638166.16	4271192.29	UCART1	10.36
1,911	638206.16	4271192.29	UCART1	10.36
1,912	638246.16	4271192.29	UCART1	10.18
1,913	638286.16	4271192.29	UCART1	9.99
1,914	638326.16	4271192.29	UCART1	9.79
1,915	638366.16	4271192.29	UCART1	9.45
1,916	638406.16	4271192.29	UCART1	9.32
1,917	634646.16	4271232.29	UCART1	7.31
1,918	634686.16	4271232.29	UCART1	7.29
1,919	634726.16	4271232.29	UCART1	7.08
1,920	634766.16	4271232.29	UCART1	7.01
1,921	634806.16	4271232.29	UCART1	7.12
1,922	634846.16	4271232.29	UCART1	7.29
1,923	634886.16	4271232.29	UCART1	7.29
1,924	634926.16	4271232.29	UCART1	7.29
1,925	634966.16	4271232.29	UCART1	7.29
1,926	635006.16	4271232.29	UCART1	7.29
1,927	635046.16	4271232.29	UCART1	7.30
1,928	635086.16	4271232.29	UCART1	7.32
1,929	635126.16	4271232.29	UCART1	7.32
1,930	635206.16	4271232.29	UCART1	7.32

1,931	635246.16	4271232.29	UCART1	7.32
1,932	635366.16	4271232.29	UCART1	7.64
1,933	635406.16	4271232.29	UCART1	7.91
1,934	635446.16	4271232.29	UCART1	7.92
1,935	635486.16	4271232.29	UCART1	7.92
1,936	635526.16	4271232.29	UCART1	7.91
1,937	635566.16	4271232.29	UCART1	7.90
1,938	635606.16	4271232.29	UCART1	7.62
1,939	635646.16	4271232.29	UCART1	7.62
1,940	635686.16	4271232.29	UCART1	7.62
1,941	635726.16	4271232.29	UCART1	7.62
1,942	635766.16	4271232.29	UCART1	7.62
1,943	635806.16	4271232.29	UCART1	7.62
1,944	635846.16	4271232.29	UCART1	7.62
1,945	635886.16	4271232.29	UCART1	7.64
1,946	635926.16	4271232.29	UCART1	7.62
1,947	636126.16	4271232.29	UCART1	9.14
1,948	636166.16	4271232.29	UCART1	9.14
1,949	636206.16	4271232.29	UCART1	9.14
1,950	636246.16	4271232.29	UCART1	9.14
1,951	636286.16	4271232.29	UCART1	9.14
1,952	636326.16	4271232.29	UCART1	9.14
1,953	636366.16	4271232.29	UCART1	9.14
1,954	636406.16	4271232.29	UCART1	9.14
1,955	636446.16	4271232.29	UCART1	9.14
1,956	636486.16	4271232.29	UCART1	9.14
1,957	636526.16	4271232.29	UCART1	9.14
1,958	636566.16	4271232.29	UCART1	9.14
1,959	636606.16	4271232.29	UCART1	9.14
1,960	636646.16	4271232.29	UCART1	9.14
1,961	636686.16	4271232.29	UCART1	9.14
1,962	636726.16	4271232.29	UCART1	9.14
1,963	636766.16	4271232.29	UCART1	9.14
1,964	636806.16	4271232.29	UCART1	9.45
1,965	636846.16	4271232.29	UCART1	9.45
1,966	636886.16	4271232.29	UCART1	9.45
1,967	636926.16	4271232.29	UCART1	9.42
1,968	636966.16	4271232.29	UCART1	9.42

1,969	637006.16	4271232.29	UCART1	9.42
1,970	637206.16	4271232.29	UCART1	10.14
1,971	637246.16	4271232.29	UCART1	10.10
1,972	637806.16	4271232.29	UCART1	8.59
1,973	637846.16	4271232.29	UCART1	9.34
1,974	637886.16	4271232.29	UCART1	9.47
1,975	637926.16	4271232.29	UCART1	9.88
1,976	637966.16	4271232.29	UCART1	10.28
1,977	638086.16	4271232.29	UCART1	10.44
1,978	638126.16	4271232.29	UCART1	10.36
1,979	638166.16	4271232.29	UCART1	10.36
1,980	638206.16	4271232.29	UCART1	10.16
1,981	638246.16	4271232.29	UCART1	10.04
1,982	638286.16	4271232.29	UCART1	9.77
1,983	638326.16	4271232.29	UCART1	9.75
1,984	638366.16	4271232.29	UCART1	9.45
1,985	638406.16	4271232.29	UCART1	9.32
1,986	634686.16	4271272.29	UCART1	7.36
1,987	634726.16	4271272.29	UCART1	7.32
1,988	634766.16	4271272.29	UCART1	7.32
1,989	634806.16	4271272.29	UCART1	7.32
1,990	634846.16	4271272.29	UCART1	7.32
1,991	634886.16	4271272.29	UCART1	7.32
1,992	634926.16	4271272.29	UCART1	7.32
1,993	634966.16	4271272.29	UCART1	7.32
1,994	635006.16	4271272.29	UCART1	7.32
1,995	635046.16	4271272.29	UCART1	7.32
1,996	635086.16	4271272.29	UCART1	7.32
1,997	635126.16	4271272.29	UCART1	7.32
1,998	635166.16	4271272.29	UCART1	7.32
1,999	635206.16	4271272.29	UCART1	7.32
2,000	635246.16	4271272.29	UCART1	7.32
2,001	635286.16	4271272.29	UCART1	7.44
2,002	635366.16	4271272.29	UCART1	7.71
2,003	635406.16	4271272.29	UCART1	7.92
2,004	635446.16	4271272.29	UCART1	7.98
2,005	635486.16	4271272.29	UCART1	7.92
2,006	635526.16	4271272.29	UCART1	7.92

2,007	635566.16	4271272.29	UCART1	7.92
2,008	635606.16	4271272.29	UCART1	7.90
2,009	635646.16	4271272.29	UCART1	7.62
2,010	635686.16	4271272.29	UCART1	7.62
2,011	635726.16	4271272.29	UCART1	7.62
2,012	635766.16	4271272.29	UCART1	7.62
2,013	635806.16	4271272.29	UCART1	7.62
2,014	635846.16	4271272.29	UCART1	7.69
2,015	636046.16	4271272.29	UCART1	9.20
2,016	636086.16	4271272.29	UCART1	9.14
2,017	636126.16	4271272.29	UCART1	9.14
2,018	636166.16	4271272.29	UCART1	9.09
2,019	636206.16	4271272.29	UCART1	9.07
2,020	636246.16	4271272.29	UCART1	9.07
2,021	636286.16	4271272.29	UCART1	8.90
2,022	636326.16	4271272.29	UCART1	9.07
2,023	636366.16	4271272.29	UCART1	9.14
2,024	636406.16	4271272.29	UCART1	9.14
2,025	636446.16	4271272.29	UCART1	9.14
2,026	636486.16	4271272.29	UCART1	9.14
2,027	636526.16	4271272.29	UCART1	9.14
2,028	636566.16	4271272.29	UCART1	9.07
2,029	636606.16	4271272.29	UCART1	9.14
2,030	636646.16	4271272.29	UCART1	9.14
2,031	636686.16	4271272.29	UCART1	9.14
2,032	636726.16	4271272.29	UCART1	9.14
2,033	636766.16	4271272.29	UCART1	9.14
2,034	636806.16	4271272.29	UCART1	9.38
2,035	636846.16	4271272.29	UCART1	9.45
2,036	636886.16	4271272.29	UCART1	9.45
2,037	636926.16	4271272.29	UCART1	9.45
2,038	636966.16	4271272.29	UCART1	9.45
2,039	637006.16	4271272.29	UCART1	9.45
2,040	637046.16	4271272.29	UCART1	9.45
2,041	637806.16	4271272.29	UCART1	8.80
2,042	637846.16	4271272.29	UCART1	9.29
2,043	637886.16	4271272.29	UCART1	9.47
2,044	637926.16	4271272.29	UCART1	9.88

2,045	637966.16	4271272.29	UCART1	10.28
2,046	638086.16	4271272.29	UCART1	10.44
2,047	638126.16	4271272.29	UCART1	10.36
2,048	638166.16	4271272.29	UCART1	10.24
2,049	638206.16	4271272.29	UCART1	10.06
2,050	638246.16	4271272.29	UCART1	10.04
2,051	638286.16	4271272.29	UCART1	9.75
2,052	638326.16	4271272.29	UCART1	9.53
2,053	638366.16	4271272.29	UCART1	9.43
2,054	638406.16	4271272.29	UCART1	9.14
2,055	634766.16	4271312.29	UCART1	7.32
2,056	634806.16	4271312.29	UCART1	7.32
2,057	634846.16	4271312.29	UCART1	7.32
2,058	634886.16	4271312.29	UCART1	7.33
2,059	634926.16	4271312.29	UCART1	7.49
2,060	634966.16	4271312.29	UCART1	7.49
2,061	635006.16	4271312.29	UCART1	7.49
2,062	635046.16	4271312.29	UCART1	7.42
2,063	635086.16	4271312.29	UCART1	7.32
2,064	635126.16	4271312.29	UCART1	7.32
2,065	635166.16	4271312.29	UCART1	7.32
2,066	635206.16	4271312.29	UCART1	7.32
2,067	635246.16	4271312.29	UCART1	7.33
2,068	635286.16	4271312.29	UCART1	7.54
2,069	635326.16	4271312.29	UCART1	7.62
2,070	635406.16	4271312.29	UCART1	8.00
2,071	635446.16	4271312.29	UCART1	8.20
2,072	635486.16	4271312.29	UCART1	8.09
2,073	635526.16	4271312.29	UCART1	7.92
2,074	635566.16	4271312.29	UCART1	7.92
2,075	635606.16	4271312.29	UCART1	7.90
2,076	635646.16	4271312.29	UCART1	7.62
2,077	635686.16	4271312.29	UCART1	7.62
2,078	635726.16	4271312.29	UCART1	7.62
2,079	635766.16	4271312.29	UCART1	7.69
2,080	635966.16	4271312.29	UCART1	9.26
2,081	636006.16	4271312.29	UCART1	9.14
2,082	636046.16	4271312.29	UCART1	9.14

2,083	636086.16	4271312.29	UCART1	8.97
2,084	636126.16	4271312.29	UCART1	8.97
2,085	636166.16	4271312.29	UCART1	8.87
2,086	636206.16	4271312.29	UCART1	8.83
2,087	636246.16	4271312.29	UCART1	8.66
2,088	636286.16	4271312.29	UCART1	8.66
2,089	636326.16	4271312.29	UCART1	8.85
2,090	636366.16	4271312.29	UCART1	8.97
2,091	636406.16	4271312.29	UCART1	8.97
2,092	636446.16	4271312.29	UCART1	8.97
2,093	636486.16	4271312.29	UCART1	8.97
2,094	636526.16	4271312.29	UCART1	8.97
2,095	636566.16	4271312.29	UCART1	8.85
2,096	636606.16	4271312.29	UCART1	9.04
2,097	636646.16	4271312.29	UCART1	9.14
2,098	636686.16	4271312.29	UCART1	9.14
2,099	636726.16	4271312.29	UCART1	9.14
2,100	636766.16	4271312.29	UCART1	9.14
2,101	636806.16	4271312.29	UCART1	9.17
2,102	636846.16	4271312.29	UCART1	9.45
2,103	636886.16	4271312.29	UCART1	9.45
2,104	636926.16	4271312.29	UCART1	9.45
2,105	636966.16	4271312.29	UCART1	9.52
2,106	637006.16	4271312.29	UCART1	9.63
2,107	637046.16	4271312.29	UCART1	9.63
2,108	637086.16	4271312.29	UCART1	9.75
2,109	637886.16	4271312.29	UCART1	9.47
2,110	637926.16	4271312.29	UCART1	9.88
2,111	637966.16	4271312.29	UCART1	10.28
2,112	638086.16	4271312.29	UCART1	10.44
2,113	638126.16	4271312.29	UCART1	10.35
2,114	638166.16	4271312.29	UCART1	10.13
2,115	638206.16	4271312.29	UCART1	10.06
2,116	638246.16	4271312.29	UCART1	9.87
2,117	638286.16	4271312.29	UCART1	9.75
2,118	638326.16	4271312.29	UCART1	9.53
2,119	638366.16	4271312.29	UCART1	9.43
2,120	638406.16	4271312.29	UCART1	9.14

2,121	634806.16	4271352.29	UCART1	7.32
2,122	634846.16	4271352.29	UCART1	7.32
2,123	634886.16	4271352.29	UCART1	7.34
2,124	634926.16	4271352.29	UCART1	7.62
2,125	634966.16	4271352.29	UCART1	7.62
2,126	635006.16	4271352.29	UCART1	7.62
2,127	635046.16	4271352.29	UCART1	7.61
2,128	635126.16	4271352.29	UCART1	7.59
2,129	635166.16	4271352.29	UCART1	7.59
2,130	635206.16	4271352.29	UCART1	7.59
2,131	635246.16	4271352.29	UCART1	7.60
2,132	635286.16	4271352.29	UCART1	7.62
2,133	635326.16	4271352.29	UCART1	7.62
2,134	635366.16	4271352.29	UCART1	7.92
2,135	635446.16	4271352.29	UCART1	8.23
2,136	635486.16	4271352.29	UCART1	8.21
2,137	635526.16	4271352.29	UCART1	7.92
2,138	635566.16	4271352.29	UCART1	7.72
2,139	635606.16	4271352.29	UCART1	7.90
2,140	635646.16	4271352.29	UCART1	7.73
2,141	635686.16	4271352.29	UCART1	7.90
2,142	635846.16	4271352.29	UCART1	9.33
2,143	635886.16	4271352.29	UCART1	9.15
2,144	635926.16	4271352.29	UCART1	9.15
2,145	635966.16	4271352.29	UCART1	9.12
2,146	636006.16	4271352.29	UCART1	8.87
2,147	636046.16	4271352.29	UCART1	8.87
2,148	636086.16	4271352.29	UCART1	8.82
2,149	636126.16	4271352.29	UCART1	8.56
2,150	636166.16	4271352.29	UCART1	8.56
2,151	636206.16	4271352.29	UCART1	8.56
2,152	636246.16	4271352.29	UCART1	8.53
2,153	636286.16	4271352.29	UCART1	8.53
2,154	636326.16	4271352.29	UCART1	8.56
2,155	636366.16	4271352.29	UCART1	8.56
2,156	636646.16	4271352.29	UCART1	9.14
2,157	636686.16	4271352.29	UCART1	9.14
2,158	636726.16	4271352.29	UCART1	9.14

2,159	636766.16	4271352.29	UCART1	9.14
2,160	636806.16	4271352.29	UCART1	9.15
2,161	636846.16	4271352.29	UCART1	9.17
2,162	636886.16	4271352.29	UCART1	9.38
2,163	636926.16	4271352.29	UCART1	9.45
2,164	636966.16	4271352.29	UCART1	9.57
2,165	637006.16	4271352.29	UCART1	9.75
2,166	637046.16	4271352.29	UCART1	9.77
2,167	637086.16	4271352.29	UCART1	9.92
2,168	637886.16	4271352.29	UCART1	9.47
2,169	637926.16	4271352.29	UCART1	9.88
2,170	637966.16	4271352.29	UCART1	10.28
2,171	638086.16	4271352.29	UCART1	10.44
2,172	638126.16	4271352.29	UCART1	10.34
2,173	638166.16	4271352.29	UCART1	10.06
2,174	638206.16	4271352.29	UCART1	10.06
2,175	638246.16	4271352.29	UCART1	9.75
2,176	638286.16	4271352.29	UCART1	9.75
2,177	638326.16	4271352.29	UCART1	9.53
2,178	638366.16	4271352.29	UCART1	9.43
2,179	638406.16	4271352.29	UCART1	9.14
2,180	634886.16	4271392.29	UCART1	7.62
2,181	634926.16	4271392.29	UCART1	7.65
2,182	634966.16	4271392.29	UCART1	7.86
2,183	635006.16	4271392.29	UCART1	7.69
2,184	635086.16	4271392.29	UCART1	7.62
2,185	635126.16	4271392.29	UCART1	7.62
2,186	635166.16	4271392.29	UCART1	7.62
2,187	635206.16	4271392.29	UCART1	7.68
2,188	635246.16	4271392.29	UCART1	7.62
2,189	635286.16	4271392.29	UCART1	7.62
2,190	635326.16	4271392.29	UCART1	7.68
2,191	635366.16	4271392.29	UCART1	7.95
2,192	635406.16	4271392.29	UCART1	8.26
2,193	635446.16	4271392.29	UCART1	8.25
2,194	635486.16	4271392.29	UCART1	8.21
2,195	635526.16	4271392.29	UCART1	7.80
2,196	635566.16	4271392.29	UCART1	7.68

2,197	635606.16	4271392.29	UCART1	7.83
2,198	635766.16	4271392.29	UCART1	9.14
2,199	635806.16	4271392.29	UCART1	9.14
2,200	635846.16	4271392.29	UCART1	9.07
2,201	635886.16	4271392.29	UCART1	9.07
2,202	635926.16	4271392.29	UCART1	8.84
2,203	635966.16	4271392.29	UCART1	8.76
2,204	636006.16	4271392.29	UCART1	8.64
2,205	636046.16	4271392.29	UCART1	8.46
2,206	636086.16	4271392.29	UCART1	8.46
2,207	636126.16	4271392.29	UCART1	8.37
2,208	636166.16	4271392.29	UCART1	8.23
2,209	636206.16	4271392.29	UCART1	8.23
2,210	636246.16	4271392.29	UCART1	8.20
2,211	636286.16	4271392.29	UCART1	8.15
2,212	636326.16	4271392.29	UCART1	8.15
2,213	636366.16	4271392.29	UCART1	8.15
2,214	636406.16	4271392.29	UCART1	8.15
2,215	636446.16	4271392.29	UCART1	8.15
2,216	636486.16	4271392.29	UCART1	8.15
2,217	636526.16	4271392.29	UCART1	8.55
2,218	636566.16	4271392.29	UCART1	8.93
2,219	636606.16	4271392.29	UCART1	9.14
2,220	636646.16	4271392.29	UCART1	9.14
2,221	636686.16	4271392.29	UCART1	9.14
2,222	636726.16	4271392.29	UCART1	9.14
2,223	636766.16	4271392.29	UCART1	9.14
2,224	636806.16	4271392.29	UCART1	9.14
2,225	636846.16	4271392.29	UCART1	9.14
2,226	636886.16	4271392.29	UCART1	9.14
2,227	636926.16	4271392.29	UCART1	9.38
2,228	636966.16	4271392.29	UCART1	9.57
2,229	637006.16	4271392.29	UCART1	9.81
2,230	637046.16	4271392.29	UCART1	10.13
2,231	637886.16	4271392.29	UCART1	9.47
2,232	637926.16	4271392.29	UCART1	9.88
2,233	637966.16	4271392.29	UCART1	10.28
2,234	638086.16	4271392.29	UCART1	10.44

2,235	638126.16	4271392.29	UCART1	10.34
2,236	638166.16	4271392.29	UCART1	10.06
2,237	638206.16	4271392.29	UCART1	10.00
2,238	638246.16	4271392.29	UCART1	9.75
2,239	638326.16	4271392.29	UCART1	9.51
2,240	638366.16	4271392.29	UCART1	9.43
2,241	638406.16	4271392.29	UCART1	9.14
2,242	634926.16	4271432.29	UCART1	7.67
2,243	634966.16	4271432.29	UCART1	7.88
2,244	635006.16	4271432.29	UCART1	7.92
2,245	635046.16	4271432.29	UCART1	7.80
2,246	635086.16	4271432.29	UCART1	7.80
2,247	635126.16	4271432.29	UCART1	7.80
2,248	635166.16	4271432.29	UCART1	7.80
2,249	635206.16	4271432.29	UCART1	7.89
2,250	635246.16	4271432.29	UCART1	7.80
2,251	635286.16	4271432.29	UCART1	7.80
2,252	635326.16	4271432.29	UCART1	8.02
2,253	635366.16	4271432.29	UCART1	8.12
2,254	635406.16	4271432.29	UCART1	8.46
2,255	635486.16	4271432.29	UCART1	8.04
2,256	635526.16	4271432.29	UCART1	7.87
2,257	635686.16	4271432.29	UCART1	9.12
2,258	635726.16	4271432.29	UCART1	9.14
2,259	635766.16	4271432.29	UCART1	9.07
2,260	635806.16	4271432.29	UCART1	8.97
2,261	635846.16	4271432.29	UCART1	8.66
2,262	635886.16	4271432.29	UCART1	8.66
2,263	635926.16	4271432.29	UCART1	8.44
2,264	635966.16	4271432.29	UCART1	8.36
2,265	636006.16	4271432.29	UCART1	8.31
2,266	636046.16	4271432.29	UCART1	8.10
2,267	636086.16	4271432.29	UCART1	8.05
2,268	636126.16	4271432.29	UCART1	8.05
2,269	636166.16	4271432.29	UCART1	8.05
2,270	636206.16	4271432.29	UCART1	8.05
2,271	637886.16	4271432.29	UCART1	9.47
2,272	637926.16	4271432.29	UCART1	9.88

2,273	637966.16	4271432.29	UCART1	10.28
2,274	638086.16	4271432.29	UCART1	10.44
2,275	638126.16	4271432.29	UCART1	10.34
2,276	638166.16	4271432.29	UCART1	10.06
2,277	638206.16	4271432.29	UCART1	9.83
2,278	638246.16	4271432.29	UCART1	9.75
2,279	638366.16	4271432.29	UCART1	9.43
2,280	638406.16	4271432.29	UCART1	9.14
2,281	635046.16	4271472.29	UCART1	7.92
2,282	635086.16	4271472.29	UCART1	7.92
2,283	635126.16	4271472.29	UCART1	7.95
2,284	635166.16	4271472.29	UCART1	8.20
2,285	635206.16	4271472.29	UCART1	8.20
2,286	635246.16	4271472.29	UCART1	8.20
2,287	635286.16	4271472.29	UCART1	8.20
2,288	635326.16	4271472.29	UCART1	8.43
2,289	635366.16	4271472.29	UCART1	8.53
2,290	635406.16	4271472.29	UCART1	8.81
2,291	635446.16	4271472.29	UCART1	8.83
2,292	635606.16	4271472.29	UCART1	9.35
2,293	635646.16	4271472.29	UCART1	9.15
2,294	635686.16	4271472.29	UCART1	9.15
2,295	635726.16	4271472.29	UCART1	8.87
2,296	635766.16	4271472.29	UCART1	8.86
2,297	635806.16	4271472.29	UCART1	8.63
2,298	635846.16	4271472.29	UCART1	8.51
2,299	635886.16	4271472.29	UCART1	8.26
2,300	635926.16	4271472.29	UCART1	8.03
2,301	635966.16	4271472.29	UCART1	7.95
2,302	637886.16	4271472.29	UCART1	9.47
2,303	637926.16	4271472.29	UCART1	9.88
2,304	637966.16	4271472.29	UCART1	10.28
2,305	638086.16	4271472.29	UCART1	10.37
2,306	638126.16	4271472.29	UCART1	10.34
2,307	638166.16	4271472.29	UCART1	9.95
2,308	638206.16	4271472.29	UCART1	9.76
2,309	638326.16	4271472.29	UCART1	9.45
2,310	638366.16	4271472.29	UCART1	9.45

2,311	638406.16	4271472.29	UCART1	9.31
2,312	634126.16	4271512.29	UCART1	7.30
2,313	634166.16	4271512.29	UCART1	7.13
2,314	634206.16	4271512.29	UCART1	6.15
2,315	634246.16	4271512.29	UCART1	5.17
2,316	634286.16	4271512.29	UCART1	6.44
2,317	634326.16	4271512.29	UCART1	6.98
2,318	634366.16	4271512.29	UCART1	7.17
2,319	634406.16	4271512.29	UCART1	7.16
2,320	634446.16	4271512.29	UCART1	6.72
2,321	635046.16	4271512.29	UCART1	8.23
2,322	635086.16	4271512.29	UCART1	8.28
2,323	635126.16	4271512.29	UCART1	8.30
2,324	635166.16	4271512.29	UCART1	8.30
2,325	635206.16	4271512.29	UCART1	8.47
2,326	635246.16	4271512.29	UCART1	8.61
2,327	635286.16	4271512.29	UCART1	8.61
2,328	635326.16	4271512.29	UCART1	8.78
2,329	635526.16	4271512.29	UCART1	9.07
2,330	635726.16	4271512.29	UCART1	8.74
2,331	635766.16	4271512.29	UCART1	8.46
2,332	635806.16	4271512.29	UCART1	8.23
2,333	635846.16	4271512.29	UCART1	8.13
2,334	634126.16	4271552.29	UCART1	6.66
2,335	634166.16	4271552.29	UCART1	6.14
2,336	634206.16	4271552.29	UCART1	5.31
2,337	634246.16	4271552.29	UCART1	4.88
2,338	634286.16	4271552.29	UCART1	5.36
2,339	634326.16	4271552.29	UCART1	6.17
2,340	634366.16	4271552.29	UCART1	6.35
2,341	634406.16	4271552.29	UCART1	6.30
2,342	634446.16	4271552.29	UCART1	5.45
2,343	634486.16	4271552.29	UCART1	5.93
2,344	634526.16	4271552.29	UCART1	7.00
2,345	634566.16	4271552.29	UCART1	7.50
2,346	635446.16	4271552.29	UCART1	9.01
2,347	635486.16	4271552.29	UCART1	8.96
2,348	635566.16	4271552.29	UCART1	9.06

2,349	635606.16	4271552.29	UCART1	8.97
2,350	635686.16	4271552.29	UCART1	8.74
2,351	635726.16	4271552.29	UCART1	8.35
2,352	635766.16	4271552.29	UCART1	8.16
2,353	634006.16	4271592.29	UCART1	6.51
2,354	634046.16	4271592.29	UCART1	6.12
2,355	634086.16	4271592.29	UCART1	6.22
2,356	634126.16	4271592.29	UCART1	6.20
2,357	634166.16	4271592.29	UCART1	5.75
2,358	634206.16	4271592.29	UCART1	4.96
2,359	634246.16	4271592.29	UCART1	4.80
2,360	634286.16	4271592.29	UCART1	5.21
2,361	634326.16	4271592.29	UCART1	5.52
2,362	634366.16	4271592.29	UCART1	5.54
2,363	634406.16	4271592.29	UCART1	5.00
2,364	634446.16	4271592.29	UCART1	5.31
2,365	634486.16	4271592.29	UCART1	5.94
2,366	634526.16	4271592.29	UCART1	6.47
2,367	634566.16	4271592.29	UCART1	7.04
2,368	634606.16	4271592.29	UCART1	7.26
2,369	634646.16	4271592.29	UCART1	7.35
2,370	635086.16	4271592.29	UCART1	8.74
2,371	635126.16	4271592.29	UCART1	8.81
2,372	635166.16	4271592.29	UCART1	8.84
2,373	635206.16	4271592.29	UCART1	9.04
2,374	635246.16	4271592.29	UCART1	9.12
2,375	635366.16	4271592.29	UCART1	9.12
2,376	635486.16	4271592.29	UCART1	8.84
2,377	635526.16	4271592.29	UCART1	8.84
2,378	635566.16	4271592.29	UCART1	8.86
2,379	635646.16	4271592.29	UCART1	8.56
2,380	635686.16	4271592.29	UCART1	8.34
2,381	634046.16	4271632.29	UCART1	6.17
2,382	634086.16	4271632.29	UCART1	6.10
2,383	634126.16	4271632.29	UCART1	6.10
2,384	634166.16	4271632.29	UCART1	6.06
2,385	634206.16	4271632.29	UCART1	5.26
2,386	634246.16	4271632.29	UCART1	4.84

2,387	634286.16	4271632.29	UCART1	5.11
2,388	634326.16	4271632.29	UCART1	5.08
2,389	634366.16	4271632.29	UCART1	4.92
2,390	634406.16	4271632.29	UCART1	4.79
2,391	634446.16	4271632.29	UCART1	4.86
2,392	634486.16	4271632.29	UCART1	5.86
2,393	634526.16	4271632.29	UCART1	6.40
2,394	634566.16	4271632.29	UCART1	6.40
2,395	634606.16	4271632.29	UCART1	6.57
2,396	634646.16	4271632.29	UCART1	6.86
2,397	634686.16	4271632.29	UCART1	6.95
2,398	635086.16	4271632.29	UCART1	8.89
2,399	635126.16	4271632.29	UCART1	8.93
2,400	635166.16	4271632.29	UCART1	9.14
2,401	635286.16	4271632.29	UCART1	9.07
2,402	635406.16	4271632.29	UCART1	8.84
2,403	635446.16	4271632.29	UCART1	8.84
2,404	635486.16	4271632.29	UCART1	8.84
2,405	635526.16	4271632.29	UCART1	8.88
2,406	635606.16	4271632.29	UCART1	8.44
2,407	635646.16	4271632.29	UCART1	8.06
2,408	634086.16	4271672.29	UCART1	6.52
2,409	634126.16	4271672.29	UCART1	6.49
2,410	634166.16	4271672.29	UCART1	6.44
2,411	634206.16	4271672.29	UCART1	6.12
2,412	634246.16	4271672.29	UCART1	5.66
2,413	634286.16	4271672.29	UCART1	5.03
2,414	634326.16	4271672.29	UCART1	4.65
2,415	634366.16	4271672.29	UCART1	4.67
2,416	634406.16	4271672.29	UCART1	4.61
2,417	634446.16	4271672.29	UCART1	5.25
2,418	634486.16	4271672.29	UCART1	5.95
2,419	634526.16	4271672.29	UCART1	6.22
2,420	634566.16	4271672.29	UCART1	6.22
2,421	634606.16	4271672.29	UCART1	6.22
2,422	634646.16	4271672.29	UCART1	6.22
2,423	634686.16	4271672.29	UCART1	6.22
2,424	634726.16	4271672.29	UCART1	6.22

2,425	635206.16	4271672.29	UCART1	9.14
2,426	635326.16	4271672.29	UCART1	8.84
2,427	635366.16	4271672.29	UCART1	8.66
2,428	635406.16	4271672.29	UCART1	8.66
2,429	635446.16	4271672.29	UCART1	8.79
2,430	635486.16	4271672.29	UCART1	8.86
2,431	635566.16	4271672.29	UCART1	8.48
2,432	634126.16	4271712.29	UCART1	7.34
2,433	634166.16	4271712.29	UCART1	6.98
2,434	634206.16	4271712.29	UCART1	6.84
2,435	634246.16	4271712.29	UCART1	6.45
2,436	634286.16	4271712.29	UCART1	6.27
2,437	634326.16	4271712.29	UCART1	5.85
2,438	634366.16	4271712.29	UCART1	5.07
2,439	634406.16	4271712.29	UCART1	5.19
2,440	634446.16	4271712.29	UCART1	6.04
2,441	634486.16	4271712.29	UCART1	6.09
2,442	634526.16	4271712.29	UCART1	6.12
2,443	634566.16	4271712.29	UCART1	6.37
2,444	634606.16	4271712.29	UCART1	6.37
2,445	634646.16	4271712.29	UCART1	6.37
2,446	634686.16	4271712.29	UCART1	6.37
2,447	634726.16	4271712.29	UCART1	6.37
2,448	634766.16	4271712.29	UCART1	7.29
2,449	635166.16	4271712.29	UCART1	9.14
2,450	635246.16	4271712.29	UCART1	8.84
2,451	635286.16	4271712.29	UCART1	8.84
2,452	635326.16	4271712.29	UCART1	8.84
2,453	635366.16	4271712.29	UCART1	8.53
2,454	635406.16	4271712.29	UCART1	8.53
2,455	635446.16	4271712.29	UCART1	8.55
2,456	635526.16	4271712.29	UCART1	8.91
2,457	634206.16	4271752.29	UCART1	7.39
2,458	634246.16	4271752.29	UCART1	6.94
2,459	634286.16	4271752.29	UCART1	6.47
2,460	634326.16	4271752.29	UCART1	6.31
2,461	634366.16	4271752.29	UCART1	6.17
2,462	634406.16	4271752.29	UCART1	6.20

2,463	634446.16	4271752.29	UCART1	6.55
2,464	634486.16	4271752.29	UCART1	6.55
2,465	634526.16	4271752.29	UCART1	6.78
2,466	634566.16	4271752.29	UCART1	6.78
2,467	634606.16	4271752.29	UCART1	6.78
2,468	634646.16	4271752.29	UCART1	6.76
2,469	634726.16	4271752.29	UCART1	6.48
2,470	634766.16	4271752.29	UCART1	7.05
2,471	634806.16	4271752.29	UCART1	7.45
2,472	635206.16	4271752.29	UCART1	8.84
2,473	635246.16	4271752.29	UCART1	8.84
2,474	635286.16	4271752.29	UCART1	8.84
2,475	635326.16	4271752.29	UCART1	8.61
2,476	635366.16	4271752.29	UCART1	8.53
2,477	635406.16	4271752.29	UCART1	8.37
2,478	635486.16	4271752.29	UCART1	7.96
2,479	634366.16	4271792.29	UCART1	6.58
2,480	634406.16	4271792.29	UCART1	6.95
2,481	634446.16	4271792.29	UCART1	7.19
2,482	634486.16	4271792.29	UCART1	7.19
2,483	634526.16	4271792.29	UCART1	7.19
2,484	634566.16	4271792.29	UCART1	7.19
2,485	634606.16	4271792.29	UCART1	7.19
2,486	634646.16	4271792.29	UCART1	7.18
2,487	634726.16	4271792.29	UCART1	6.88
2,488	634766.16	4271792.29	UCART1	7.03
2,489	634806.16	4271792.29	UCART1	7.32
2,490	634846.16	4271792.29	UCART1	7.54
2,491	635046.16	4271792.29	UCART1	9.07
2,492	635206.16	4271792.29	UCART1	9.02
2,493	635246.16	4271792.29	UCART1	9.02
2,494	635286.16	4271792.29	UCART1	8.94
2,495	635326.16	4271792.29	UCART1	8.74
2,496	635446.16	4271792.29	UCART1	7.96
2,497	634606.16	4271832.29	UCART1	7.59
2,498	634646.16	4271832.29	UCART1	7.59
2,499	634686.16	4271832.29	UCART1	7.47
2,500	634726.16	4271832.29	UCART1	7.29

2,501	634766.16	4271832.29	UCART1	7.29
2,502	634806.16	4271832.29	UCART1	7.32
2,503	634846.16	4271832.29	UCART1	7.34
2,504	635006.16	4271832.29	UCART1	9.16
2,505	635046.16	4271832.29	UCART1	9.30
2,506	635126.16	4271832.29	UCART1	9.42
2,507	635166.16	4271832.29	UCART1	9.42
2,508	635206.16	4271832.29	UCART1	9.42
2,509	635246.16	4271832.29	UCART1	9.42
2,510	635286.16	4271832.29	UCART1	9.30
2,511	635366.16	4271832.29	UCART1	9.12
2,512	635006.16	4271872.29	UCART1	8.60
2,513	635046.16	4271872.29	UCART1	8.54
2,514	635086.16	4271872.29	UCART1	8.99
2,515	635126.16	4271872.29	UCART1	9.47
2,516	635166.16	4271872.29	UCART1	9.68
2,517	635326.16	4271872.29	UCART1	9.09
2,518	635006.16	4271912.29	UCART1	7.75
2,519	635046.16	4271912.29	UCART1	7.92
2,520	635086.16	4271912.29	UCART1	8.67
2,521	635126.16	4271912.29	UCART1	9.27
2,522	635166.16	4271912.29	UCART1	9.27
2,523	635206.16	4271912.29	UCART1	9.27
2,524	635246.16	4271912.29	UCART1	9.11
2,525	635286.16	4271912.29	UCART1	9.15
2,526	635126.16	4271952.29	UCART1	9.14
2,527	635166.16	4271952.29	UCART1	9.14
2,528	635206.16	4271952.29	UCART1	9.14
2,529	635246.16	4271952.29	UCART1	8.84
2,530	635166.16	4271992.29	UCART1	9.07
2,531	635206.16	4271992.29	UCART1	9.01
2,532	633966.16	4272112.29	UCART1	9.55
2,533	634966.16	4272232.29	UCART1	9.39
2,534	634966.16	4272272.29	UCART1	8.10
2,535	635006.16	4272272.29	UCART1	7.41
2,536	634926.16	4272312.29	UCART1	7.97
2,537	634966.16	4272312.29	UCART1	7.93
2,538	638685.93	4268031.35	UCART1	11.55

2,539	638365.93	4268071.35	UCART1	12.63
2,540	638405.93	4268071.35	UCART1	12.63
2,541	638685.93	4268071.35	UCART1	10.97
2,542	638205.93	4268111.35	UCART1	12.53
2,543	638245.93	4268111.35	UCART1	12.53
2,544	638285.93	4268111.35	UCART1	12.52
2,545	638325.93	4268111.35	UCART1	12.50
2,546	638365.93	4268111.35	UCART1	12.23
2,547	638405.93	4268111.35	UCART1	12.34
2,548	638685.93	4268111.35	UCART1	10.76
2,549	638925.93	4268111.35	UCART1	12.49
2,550	638965.93	4268111.35	UCART1	12.82
2,551	639005.93	4268111.35	UCART1	13.07
2,552	638085.93	4268151.35	UCART1	12.26
2,553	638125.93	4268151.35	UCART1	12.19
2,554	638165.93	4268151.35	UCART1	12.29
2,555	638205.93	4268151.35	UCART1	12.43
2,556	638245.93	4268151.35	UCART1	12.43
2,557	638285.93	4268151.35	UCART1	12.43
2,558	638325.93	4268151.35	UCART1	12.26
2,559	638365.93	4268151.35	UCART1	12.19
2,560	638405.93	4268151.35	UCART1	12.31
2,561	638645.93	4268151.35	UCART1	11.03
2,562	638685.93	4268151.35	UCART1	10.49
2,563	638925.93	4268151.35	UCART1	12.72
2,564	638965.93	4268151.35	UCART1	13.13
2,565	639005.93	4268151.35	UCART1	13.57
2,566	638085.93	4268191.35	UCART1	12.03
2,567	638125.93	4268191.35	UCART1	12.03
2,568	638165.93	4268191.35	UCART1	12.03
2,569	638205.93	4268191.35	UCART1	12.15
2,570	638245.93	4268191.35	UCART1	12.19
2,571	638285.93	4268191.35	UCART1	12.13
2,572	638325.93	4268191.35	UCART1	12.03
2,573	638365.93	4268191.35	UCART1	12.19
2,574	638405.93	4268191.35	UCART1	12.25
2,575	638645.93	4268191.35	UCART1	11.03
2,576	638685.93	4268191.35	UCART1	10.67

2,577	638725.93	4268191.35	UCART1	11.34
2,578	638765.93	4268191.35	UCART1	12.25
2,579	638805.93	4268191.35	UCART1	12.33
2,580	638845.93	4268191.35	UCART1	12.49
2,581	638885.93	4268191.35	UCART1	12.40
2,582	638925.93	4268191.35	UCART1	12.60
2,583	638965.93	4268191.35	UCART1	12.98
2,584	639005.93	4268191.35	UCART1	13.62
2,585	638085.93	4268231.35	UCART1	11.35
2,586	638125.93	4268231.35	UCART1	11.35
2,587	638165.93	4268231.35	UCART1	11.46
2,588	638205.93	4268231.35	UCART1	11.65
2,589	638245.93	4268231.35	UCART1	11.66
2,590	638285.93	4268231.35	UCART1	11.64
2,591	638325.93	4268231.35	UCART1	11.82
2,592	638645.93	4268231.35	UCART1	10.93
2,593	638685.93	4268231.35	UCART1	10.60
2,594	638725.93	4268231.35	UCART1	11.05
2,595	638765.93	4268231.35	UCART1	11.76
2,596	638805.93	4268231.35	UCART1	12.12
2,597	638845.93	4268231.35	UCART1	12.23
2,598	638885.93	4268231.35	UCART1	12.21
2,599	638925.93	4268231.35	UCART1	12.23
2,600	638965.93	4268231.35	UCART1	12.56
2,601	639005.93	4268231.35	UCART1	13.10
2,602	638125.93	4268271.35	UCART1	10.91
2,603	638165.93	4268271.35	UCART1	10.91
2,604	638205.93	4268271.35	UCART1	11.13
2,605	638245.93	4268271.35	UCART1	11.19
2,606	638285.93	4268271.35	UCART1	10.93
2,607	638685.93	4268271.35	UCART1	10.60
2,608	638725.93	4268271.35	UCART1	10.68
2,609	638765.93	4268271.35	UCART1	11.00
2,610	638805.93	4268271.35	UCART1	11.37
2,611	638845.93	4268271.35	UCART1	11.53
2,612	638885.93	4268271.35	UCART1	11.78
2,613	638925.93	4268271.35	UCART1	11.82
2,614	638965.93	4268271.35	UCART1	12.14

2,615	639005.93	4268271.35	UCART1	12.39
2,616	638725.93	4268311.35	UCART1	10.67
2,617	638765.93	4268311.35	UCART1	10.67
2,618	638805.93	4268311.35	UCART1	10.77
2,619	638845.93	4268311.35	UCART1	10.95
2,620	638885.93	4268311.35	UCART1	11.17
2,621	638925.93	4268311.35	UCART1	11.37
2,622	638965.93	4268311.35	UCART1	11.72
2,623	639005.93	4268311.35	UCART1	11.84
2,624	638765.93	4268351.35	UCART1	10.67
2,625	638805.93	4268351.35	UCART1	10.67
2,626	638845.93	4268351.35	UCART1	10.67
2,627	638885.93	4268351.35	UCART1	10.70
2,628	638925.93	4268351.35	UCART1	10.93
2,629	638965.93	4268351.35	UCART1	11.31
2,630	639005.93	4268351.35	UCART1	11.44
2,631	638805.93	4268391.35	UCART1	10.67
2,632	638845.93	4268391.35	UCART1	10.67
2,633	638885.93	4268391.35	UCART1	10.67
2,634	638925.93	4268391.35	UCART1	10.67
2,635	638965.93	4268391.35	UCART1	10.91
2,636	639005.93	4268391.35	UCART1	11.03
2,637	638845.93	4268431.35	UCART1	10.67
2,638	638885.93	4268431.35	UCART1	10.67
2,639	638925.93	4268431.35	UCART1	10.67
2,640	638965.93	4268431.35	UCART1	10.67
2,641	639005.93	4268431.35	UCART1	10.72
2,642	638845.93	4268471.35	UCART1	10.67
2,643	638885.93	4268471.35	UCART1	10.67
2,644	638925.93	4268471.35	UCART1	10.67
2,645	638965.93	4268471.35	UCART1	10.67
2,646	639005.93	4268471.35	UCART1	10.67
2,647	638085.93	4268511.35	UCART1	10.36
2,648	638125.93	4268511.35	UCART1	10.36
2,649	638165.93	4268511.35	UCART1	10.36
2,650	638205.93	4268511.35	UCART1	10.36
2,651	638245.93	4268511.35	UCART1	10.61
2,652	638285.93	4268511.35	UCART1	10.67

2,653	638325.93	4268511.35	UCART1	10.67
2,654	638925.93	4268511.35	UCART1	10.69
2,655	638965.93	4268511.35	UCART1	10.67
2,656	639005.93	4268511.35	UCART1	10.73
2,657	638085.93	4268551.35	UCART1	10.36
2,658	638125.93	4268551.35	UCART1	10.36
2,659	638165.93	4268551.35	UCART1	10.36
2,660	638205.93	4268551.35	UCART1	10.36
2,661	638245.93	4268551.35	UCART1	10.37
2,662	638285.93	4268551.35	UCART1	10.50
2,663	638325.93	4268551.35	UCART1	10.50
2,664	638365.93	4268551.35	UCART1	10.51
2,665	638405.93	4268551.35	UCART1	10.67
2,666	638085.93	4268591.35	UCART1	10.36
2,667	638125.93	4268591.35	UCART1	10.36
2,668	638165.93	4268591.35	UCART1	10.36
2,669	638205.93	4268591.35	UCART1	10.36
2,670	638245.93	4268591.35	UCART1	10.36
2,671	638285.93	4268591.35	UCART1	10.36
2,672	638325.93	4268591.35	UCART1	10.36
2,673	638365.93	4268591.35	UCART1	10.38
2,674	638405.93	4268591.35	UCART1	10.67
2,675	638085.93	4268631.35	UCART1	10.06
2,676	638125.93	4268631.35	UCART1	10.06
2,677	638165.93	4268631.35	UCART1	10.06
2,678	638205.93	4268631.35	UCART1	10.06
2,679	638245.93	4268631.35	UCART1	10.07
2,680	638285.93	4268631.35	UCART1	10.30
2,681	638325.93	4268631.35	UCART1	10.35
2,682	638365.93	4268631.35	UCART1	10.36
2,683	638405.93	4268631.35	UCART1	10.46
2,684	638445.93	4268631.35	UCART1	10.65
2,685	638765.93	4268631.35	UCART1	11.28
2,686	638805.93	4268631.35	UCART1	11.33
2,687	638845.93	4268631.35	UCART1	11.34
2,688	638885.93	4268631.35	UCART1	11.34
2,689	638925.93	4268631.35	UCART1	11.52
2,690	638965.93	4268631.35	UCART1	11.57

2,691	639005.93	4268631.35	UCART1	11.34
2,692	638085.93	4268671.35	UCART1	10.06
2,693	638125.93	4268671.35	UCART1	10.06
2,694	638165.93	4268671.35	UCART1	10.06
2,695	638205.93	4268671.35	UCART1	10.06
2,696	638245.93	4268671.35	UCART1	10.06
2,697	638285.93	4268671.35	UCART1	10.06
2,698	638325.93	4268671.35	UCART1	10.16
2,699	638365.93	4268671.35	UCART1	10.36
2,700	638405.93	4268671.35	UCART1	10.36
2,701	638445.93	4268671.35	UCART1	10.46
2,702	638645.93	4268671.35	UCART1	11.28
2,703	638685.93	4268671.35	UCART1	11.40
2,704	638725.93	4268671.35	UCART1	11.44
2,705	638765.93	4268671.35	UCART1	11.44
2,706	638805.93	4268671.35	UCART1	11.55
2,707	638845.93	4268671.35	UCART1	11.59
2,708	638885.93	4268671.35	UCART1	11.75
2,709	638925.93	4268671.35	UCART1	11.75
2,710	638965.93	4268671.35	UCART1	11.74
2,711	639005.93	4268671.35	UCART1	11.58
2,712	638085.93	4268711.35	UCART1	10.06
2,713	638125.93	4268711.35	UCART1	10.06
2,714	638165.93	4268711.35	UCART1	9.95
2,715	638205.93	4268711.35	UCART1	9.79
2,716	638245.93	4268711.35	UCART1	9.79
2,717	638285.93	4268711.35	UCART1	9.90
2,718	638325.93	4268711.35	UCART1	10.06
2,719	638365.93	4268711.35	UCART1	10.09
2,720	638405.93	4268711.35	UCART1	10.20
2,721	638445.93	4268711.35	UCART1	10.36
2,722	638645.93	4268711.35	UCART1	11.38
2,723	638685.93	4268711.35	UCART1	11.57
2,724	638725.93	4268711.35	UCART1	11.58
2,725	638765.93	4268711.35	UCART1	11.69
2,726	638805.93	4268711.35	UCART1	11.85
2,727	638845.93	4268711.35	UCART1	11.85
2,728	638885.93	4268711.35	UCART1	11.89

2,729	638925.93	4268711.35	UCART1	11.89
2,730	638965.93	4268711.35	UCART1	11.88
2,731	639005.93	4268711.35	UCART1	11.85
2,732	638085.93	4268751.35	UCART1	9.75
2,733	638125.93	4268751.35	UCART1	9.75
2,734	638165.93	4268751.35	UCART1	9.75
2,735	638205.93	4268751.35	UCART1	9.75
2,736	638245.93	4268751.35	UCART1	9.75
2,737	638285.93	4268751.35	UCART1	9.75
2,738	638325.93	4268751.35	UCART1	9.75
2,739	638365.93	4268751.35	UCART1	9.99
2,740	638405.93	4268751.35	UCART1	10.02
2,741	638445.93	4268751.35	UCART1	10.23
2,742	638645.93	4268751.35	UCART1	11.65
2,743	638685.93	4268751.35	UCART1	11.82
2,744	638725.93	4268751.35	UCART1	11.95
2,745	638765.93	4268751.35	UCART1	11.95
2,746	638805.93	4268751.35	UCART1	11.95
2,747	638845.93	4268751.35	UCART1	11.97
2,748	638885.93	4268751.35	UCART1	12.19
2,749	638925.93	4268751.35	UCART1	12.19
2,750	638965.93	4268751.35	UCART1	12.19
2,751	639005.93	4268751.35	UCART1	12.10
2,752	638085.93	4268791.35	UCART1	9.75
2,753	638125.93	4268791.35	UCART1	9.75
2,754	638165.93	4268791.35	UCART1	9.75
2,755	638205.93	4268791.35	UCART1	9.75
2,756	638245.93	4268791.35	UCART1	9.75
2,757	638285.93	4268791.35	UCART1	9.75
2,758	638325.93	4268791.35	UCART1	9.75
2,759	638365.93	4268791.35	UCART1	9.75
2,760	638405.93	4268791.35	UCART1	9.81
2,761	638445.93	4268791.35	UCART1	10.01
2,762	638685.93	4268791.35	UCART1	12.05
2,763	638725.93	4268791.35	UCART1	12.19
2,764	638765.93	4268791.35	UCART1	12.19
2,765	638805.93	4268791.35	UCART1	12.19
2,766	638845.93	4268791.35	UCART1	12.03

2,767	638885.93	4268791.35	UCART1	12.03
2,768	638925.93	4268791.35	UCART1	12.03
2,769	638965.93	4268791.35	UCART1	12.03
2,770	639005.93	4268791.35	UCART1	12.03
2,771	638085.93	4268831.35	UCART1	9.49
2,772	638125.93	4268831.35	UCART1	9.49
2,773	638165.93	4268831.35	UCART1	9.49
2,774	638205.93	4268831.35	UCART1	9.49
2,775	638245.93	4268831.35	UCART1	9.49
2,776	638285.93	4268831.35	UCART1	9.49
2,777	638325.93	4268831.35	UCART1	9.49
2,778	638365.93	4268831.35	UCART1	9.75
2,779	638405.93	4268831.35	UCART1	9.75
2,780	638445.93	4268831.35	UCART1	9.78
2,781	638725.93	4268831.35	UCART1	11.92
2,782	638765.93	4268831.35	UCART1	11.92
2,783	638805.93	4268831.35	UCART1	11.92
2,784	638845.93	4268831.35	UCART1	11.62
2,785	638885.93	4268831.35	UCART1	11.62
2,786	638925.93	4268831.35	UCART1	11.62
2,787	638965.93	4268831.35	UCART1	11.62
2,788	639005.93	4268831.35	UCART1	11.62
2,789	638085.93	4268871.35	UCART1	9.40
2,790	638125.93	4268871.35	UCART1	9.38
2,791	638165.93	4268871.35	UCART1	9.38
2,792	638205.93	4268871.35	UCART1	9.38
2,793	638245.93	4268871.35	UCART1	9.38
2,794	638285.93	4268871.35	UCART1	9.38
2,795	638325.93	4268871.35	UCART1	9.38
2,796	638365.93	4268871.35	UCART1	9.45
2,797	638405.93	4268871.35	UCART1	9.45
2,798	638445.93	4268871.35	UCART1	9.45
2,799	638485.93	4268871.35	UCART1	9.73
2,800	638725.93	4268871.35	UCART1	11.51
2,801	638765.93	4268871.35	UCART1	11.45
2,802	638805.93	4268871.35	UCART1	11.28
2,803	638845.93	4268871.35	UCART1	11.21
2,804	638885.93	4268871.35	UCART1	11.21

2,805	638925.93	4268871.35	UCART1	11.21
2,806	638965.93	4268871.35	UCART1	11.21
2,807	639005.93	4268871.35	UCART1	11.24
2,808	638085.93	4268911.35	UCART1	9.18
2,809	638125.93	4268911.35	UCART1	9.14
2,810	638165.93	4268911.35	UCART1	9.14
2,811	638205.93	4268911.35	UCART1	9.14
2,812	638245.93	4268911.35	UCART1	9.14
2,813	638285.93	4268911.35	UCART1	9.14
2,814	638325.93	4268911.35	UCART1	9.14
2,815	638365.93	4268911.35	UCART1	9.28
2,816	638405.93	4268911.35	UCART1	9.28
2,817	638445.93	4268911.35	UCART1	9.28
2,818	638485.93	4268911.35	UCART1	9.32
2,819	638525.93	4268911.35	UCART1	10.13
2,820	638565.93	4268911.35	UCART1	11.39
2,821	638645.93	4268911.35	UCART1	11.43
2,822	638685.93	4268911.35	UCART1	11.03
2,823	638725.93	4268911.35	UCART1	10.93
2,824	638765.93	4268911.35	UCART1	10.81
2,825	638805.93	4268911.35	UCART1	10.81
2,826	638845.93	4268911.35	UCART1	10.81
2,827	638885.93	4268911.35	UCART1	10.81
2,828	638925.93	4268911.35	UCART1	10.81
2,829	638965.93	4268911.35	UCART1	10.82
2,830	639005.93	4268911.35	UCART1	11.03
2,831	638645.93	4268951.35	UCART1	10.19
2,832	638685.93	4268951.35	UCART1	10.14
2,833	638725.93	4268951.35	UCART1	10.13
2,834	638765.93	4268951.35	UCART1	10.24
2,835	638805.93	4268951.35	UCART1	10.40
2,836	638845.93	4268951.35	UCART1	10.40
2,837	638885.93	4268951.35	UCART1	10.40
2,838	638925.93	4268951.35	UCART1	10.40
2,839	638965.93	4268951.35	UCART1	10.42
2,840	639005.93	4268951.35	UCART1	10.70
2,841	638845.93	4268991.35	UCART1	9.99
2,842	638885.93	4268991.35	UCART1	9.99

2,843	638925.93	4268991.35	UCART1	9.99
2,844	638965.93	4268991.35	UCART1	10.07
2,845	639005.93	4268991.35	UCART1	10.30
2,846	638165.93	4269271.35	UCART1	7.92
2,847	638205.93	4269271.35	UCART1	7.92
2,848	638245.93	4269271.35	UCART1	7.92
2,849	638285.93	4269271.35	UCART1	7.92
2,850	638325.93	4269271.35	UCART1	7.92
2,851	638365.93	4269271.35	UCART1	7.92
2,852	637965.93	4269311.35	UCART1	7.92
2,853	638005.93	4269311.35	UCART1	7.92
2,854	638045.93	4269311.35	UCART1	7.92
2,855	638085.93	4269311.35	UCART1	8.12
2,856	638125.93	4269311.35	UCART1	8.19
2,857	638165.93	4269311.35	UCART1	8.19
2,858	638205.93	4269311.35	UCART1	8.19
2,859	638245.93	4269311.35	UCART1	8.18
2,860	638285.93	4269311.35	UCART1	7.92
2,861	638325.93	4269311.35	UCART1	7.92
2,862	638365.93	4269311.35	UCART1	7.92
2,863	638405.93	4269311.35	UCART1	7.92
2,864	638445.93	4269311.35	UCART1	7.92
2,865	638485.93	4269311.35	UCART1	7.92
2,866	638525.93	4269311.35	UCART1	7.89
2,867	637925.93	4269351.35	UCART1	7.95
2,868	637965.93	4269351.35	UCART1	7.99
2,869	638005.93	4269351.35	UCART1	8.23
2,870	638125.93	4269351.35	UCART1	8.23
2,871	638165.93	4269351.35	UCART1	8.23
2,872	638205.93	4269351.35	UCART1	8.23
2,873	638245.93	4269351.35	UCART1	8.23
2,874	638285.93	4269351.35	UCART1	8.23
2,875	638325.93	4269351.35	UCART1	8.23
2,876	638485.93	4269351.35	UCART1	7.99
2,877	638525.93	4269351.35	UCART1	7.99
2,878	638565.93	4269351.35	UCART1	7.99
2,879	637885.93	4269391.35	UCART1	7.94
2,880	637925.93	4269391.35	UCART1	8.15

2,881	638005.93	4269391.35	UCART1	8.23
2,882	638045.93	4269391.35	UCART1	8.23
2,883	638085.93	4269391.35	UCART1	8.23
2,884	638125.93	4269391.35	UCART1	8.23
2,885	638165.93	4269391.35	UCART1	8.30
2,886	638205.93	4269391.35	UCART1	8.40
2,887	638245.93	4269391.35	UCART1	8.23
2,888	638285.93	4269391.35	UCART1	8.23
2,889	638325.93	4269391.35	UCART1	8.23
2,890	638365.93	4269391.35	UCART1	8.23
2,891	638405.93	4269391.35	UCART1	8.23
2,892	638445.93	4269391.35	UCART1	8.23
2,893	638485.93	4269391.35	UCART1	8.23
2,894	638725.93	4269391.35	UCART1	8.23
2,895	638765.93	4269391.35	UCART1	8.17
2,896	638805.93	4269391.35	UCART1	8.09
2,897	637845.93	4269431.35	UCART1	8.12
2,898	637885.93	4269431.35	UCART1	8.20
2,899	637965.93	4269431.35	UCART1	8.23
2,900	638005.93	4269431.35	UCART1	8.23
2,901	638045.93	4269431.35	UCART1	8.34
2,902	638085.93	4269431.35	UCART1	8.50
2,903	638125.93	4269431.35	UCART1	8.50
2,904	638165.93	4269431.35	UCART1	8.51
2,905	638205.93	4269431.35	UCART1	8.53
2,906	638245.93	4269431.35	UCART1	8.50
2,907	638285.93	4269431.35	UCART1	8.50
2,908	638325.93	4269431.35	UCART1	8.30
2,909	638365.93	4269431.35	UCART1	8.23
2,910	638405.93	4269431.35	UCART1	8.23
2,911	638445.93	4269431.35	UCART1	8.23
2,912	638485.93	4269431.35	UCART1	8.23
2,913	638525.93	4269431.35	UCART1	8.23
2,914	638565.93	4269431.35	UCART1	8.23
2,915	638765.93	4269431.35	UCART1	8.23
2,916	638805.93	4269431.35	UCART1	8.23
2,917	638845.93	4269431.35	UCART1	8.23
2,918	638885.93	4269431.35	UCART1	8.23

2,919	638925.93	4269431.35	UCART1	8.23
2,920	637805.93	4269471.35	UCART1	8.09
2,921	637885.93	4269471.35	UCART1	8.23
2,922	637925.93	4269471.35	UCART1	8.23
2,923	637965.93	4269471.35	UCART1	8.28
2,924	638005.93	4269471.35	UCART1	8.53
2,925	638045.93	4269471.35	UCART1	8.53
2,926	638085.93	4269471.35	UCART1	8.53
2,927	638125.93	4269471.35	UCART1	8.53
2,928	638165.93	4269471.35	UCART1	8.53
2,929	638205.93	4269471.35	UCART1	8.53
2,930	638245.93	4269471.35	UCART1	8.53
2,931	638285.93	4269471.35	UCART1	8.53
2,932	638325.93	4269471.35	UCART1	8.53
2,933	638365.93	4269471.35	UCART1	8.53
2,934	638405.93	4269471.35	UCART1	8.53
2,935	638445.93	4269471.35	UCART1	8.53
2,936	638485.93	4269471.35	UCART1	8.53
2,937	638525.93	4269471.35	UCART1	8.53
2,938	638565.93	4269471.35	UCART1	8.53
2,939	638725.93	4269471.35	UCART1	8.53
2,940	638845.93	4269471.35	UCART1	8.53
2,941	638885.93	4269471.35	UCART1	8.44
2,942	638925.93	4269471.35	UCART1	8.29
2,943	638965.93	4269471.35	UCART1	8.23
2,944	639005.93	4269471.35	UCART1	8.23
2,945	637765.93	4269511.35	UCART1	8.23
2,946	637805.93	4269511.35	UCART1	8.23
2,947	637845.93	4269511.35	UCART1	8.23
2,948	637885.93	4269511.35	UCART1	8.24
2,949	637925.93	4269511.35	UCART1	8.40
2,950	637965.93	4269511.35	UCART1	8.50
2,951	638005.93	4269511.35	UCART1	8.53
2,952	638045.93	4269511.35	UCART1	8.53
2,953	638085.93	4269511.35	UCART1	8.66
2,954	638125.93	4269511.35	UCART1	8.70
2,955	638165.93	4269511.35	UCART1	8.70
2,956	638205.93	4269511.35	UCART1	8.70

2,957	638245.93	4269511.35	UCART1	8.69
2,958	638285.93	4269511.35	UCART1	8.53
2,959	638325.93	4269511.35	UCART1	8.53
2,960	638365.93	4269511.35	UCART1	8.53
2,961	638405.93	4269511.35	UCART1	8.53
2,962	638445.93	4269511.35	UCART1	8.53
2,963	638485.93	4269511.35	UCART1	8.53
2,964	638525.93	4269511.35	UCART1	8.53
2,965	638565.93	4269511.35	UCART1	8.53
2,966	638725.93	4269511.35	UCART1	8.53
2,967	638765.93	4269511.35	UCART1	8.53
2,968	638805.93	4269511.35	UCART1	8.53
2,969	638845.93	4269511.35	UCART1	8.53
2,970	638885.93	4269511.35	UCART1	8.53
2,971	638925.93	4269511.35	UCART1	8.53
2,972	638965.93	4269511.35	UCART1	8.40
2,973	639005.93	4269511.35	UCART1	8.40
2,974	637765.93	4269551.35	UCART1	8.23
2,975	637805.93	4269551.35	UCART1	8.23
2,976	637845.93	4269551.35	UCART1	8.43
2,977	637885.93	4269551.35	UCART1	8.50
2,978	637925.93	4269551.35	UCART1	8.53
2,979	637965.93	4269551.35	UCART1	8.53
2,980	638005.93	4269551.35	UCART1	8.80
2,981	638045.93	4269551.35	UCART1	8.80
2,982	638085.93	4269551.35	UCART1	8.83
2,983	638125.93	4269551.35	UCART1	8.84
2,984	638165.93	4269551.35	UCART1	8.84
2,985	638205.93	4269551.35	UCART1	8.84
2,986	638245.93	4269551.35	UCART1	8.84
2,987	638285.93	4269551.35	UCART1	8.80
2,988	638325.93	4269551.35	UCART1	8.80
2,989	638365.93	4269551.35	UCART1	8.80
2,990	638405.93	4269551.35	UCART1	8.80
2,991	638445.93	4269551.35	UCART1	8.80
2,992	638485.93	4269551.35	UCART1	8.80
2,993	638525.93	4269551.35	UCART1	8.80
2,994	638565.93	4269551.35	UCART1	8.80

2,995	638725.93	4269551.35	UCART1	8.80
2,996	638765.93	4269551.35	UCART1	8.80
2,997	638805.93	4269551.35	UCART1	8.80
2,998	638885.93	4269551.35	UCART1	8.80
2,999	638925.93	4269551.35	UCART1	8.80
3,000	638965.93	4269551.35	UCART1	8.53
3,001	639005.93	4269551.35	UCART1	8.53
3,002	637725.93	4269591.35	UCART1	8.28
3,003	637805.93	4269591.35	UCART1	8.53
3,004	637845.93	4269591.35	UCART1	8.53
3,005	637885.93	4269591.35	UCART1	8.60
3,006	637925.93	4269591.35	UCART1	8.70
3,007	638005.93	4269591.35	UCART1	8.84
3,008	638045.93	4269591.35	UCART1	8.90
3,009	638085.93	4269591.35	UCART1	8.90
3,010	638125.93	4269591.35	UCART1	8.90
3,011	638165.93	4269591.35	UCART1	8.90
3,012	638205.93	4269591.35	UCART1	8.90
3,013	638245.93	4269591.35	UCART1	8.90
3,014	638285.93	4269591.35	UCART1	8.88
3,015	638325.93	4269591.35	UCART1	8.84
3,016	638365.93	4269591.35	UCART1	8.84
3,017	638405.93	4269591.35	UCART1	8.84
3,018	638485.93	4269591.35	UCART1	8.90
3,019	638565.93	4269591.35	UCART1	8.90
3,020	638725.93	4269591.35	UCART1	8.90
3,021	637964.89	4269591.59	UCART1	8.84
3,022	638645.38	4269591.74	UCART1	8.91
3,023	638685.38	4269591.74	UCART1	8.91
3,024	638765.38	4269591.74	UCART1	8.91
3,025	638805.38	4269591.74	UCART1	8.91
3,026	638885.38	4269591.74	UCART1	8.91
3,027	638925.38	4269591.74	UCART1	8.91
3,028	638965.38	4269591.74	UCART1	8.91
3,029	639005.38	4269591.74	UCART1	8.91
3,030	638645.38	4269631.74	UCART1	9.14
3,031	638685.38	4269631.74	UCART1	9.14
3,032	638725.38	4269631.74	UCART1	9.14

3,033	638765.38	4269631.74	UCART1	9.14
3,034	638805.38	4269631.74	UCART1	9.14
3,035	638845.38	4269631.74	UCART1	9.14
3,036	638885.38	4269631.74	UCART1	9.14
3,037	638925.38	4269631.74	UCART1	9.14
3,038	638965.38	4269631.74	UCART1	9.14
3,039	639005.38	4269631.74	UCART1	9.21
3,040	638645.38	4269671.74	UCART1	9.14
3,041	638685.38	4269671.74	UCART1	9.14
3,042	638725.38	4269671.74	UCART1	9.14
3,043	638765.38	4269671.74	UCART1	9.14
3,044	638805.38	4269671.74	UCART1	9.14
3,045	638845.38	4269671.74	UCART1	9.14
3,046	638925.38	4269671.74	UCART1	9.14
3,047	638965.38	4269671.74	UCART1	9.42
3,048	639005.38	4269671.74	UCART1	9.43
3,049	638645.38	4269711.74	UCART1	9.45
3,050	638685.38	4269711.74	UCART1	9.45
3,051	638725.38	4269711.74	UCART1	9.45
3,052	638765.38	4269711.74	UCART1	9.45
3,053	638805.38	4269711.74	UCART1	9.45
3,054	638845.38	4269711.74	UCART1	9.45
3,055	638925.38	4269711.74	UCART1	9.45
3,056	638965.38	4269711.74	UCART1	9.53
3,057	639005.38	4269711.74	UCART1	9.78
3,058	638645.38	4269751.74	UCART1	9.45
3,059	638685.38	4269751.74	UCART1	9.45
3,060	638725.38	4269751.74	UCART1	9.45
3,061	638765.38	4269751.74	UCART1	9.45
3,062	638805.38	4269751.74	UCART1	9.45
3,063	638845.38	4269751.74	UCART1	9.45
3,064	638925.38	4269751.74	UCART1	9.62
3,065	638965.38	4269751.74	UCART1	9.76
3,066	639005.38	4269751.74	UCART1	9.98
3,067	638645.38	4269791.74	UCART1	9.45
3,068	638685.38	4269791.74	UCART1	9.45
3,069	638725.38	4269791.74	UCART1	9.45
3,070	638765.38	4269791.74	UCART1	9.45

3,071	638805.38	4269791.74	UCART1	9.64
3,072	638845.38	4269791.74	UCART1	9.72
3,073	638885.38	4269791.74	UCART1	9.73
3,074	638925.38	4269791.74	UCART1	9.75
3,075	638965.38	4269791.74	UCART1	10.03
3,076	639005.38	4269791.74	UCART1	10.16
3,077	638645.38	4269831.74	UCART1	9.61
3,078	638685.38	4269831.74	UCART1	9.75
3,079	638725.38	4269831.74	UCART1	9.75
3,080	638765.38	4269831.74	UCART1	9.75
3,081	638805.38	4269831.74	UCART1	9.75
3,082	638845.38	4269831.74	UCART1	9.82
3,083	638885.38	4269831.74	UCART1	9.91
3,084	638965.38	4269831.74	UCART1	10.14
3,085	639005.38	4269831.74	UCART1	10.36
3,086	638645.38	4269871.74	UCART1	9.75
3,087	638685.38	4269871.74	UCART1	9.75
3,088	638725.38	4269871.74	UCART1	9.76
3,089	638765.38	4269871.74	UCART1	9.92
3,090	638805.38	4269871.74	UCART1	9.92
3,091	638845.38	4269871.74	UCART1	10.06
3,092	638885.38	4269871.74	UCART1	10.12
3,093	638965.38	4269871.74	UCART1	10.36
3,094	639005.38	4269871.74	UCART1	10.36
3,095	638645.38	4269911.74	UCART1	10.03
3,096	638685.38	4269911.74	UCART1	10.03
3,097	638725.38	4269911.74	UCART1	10.03
3,098	638765.38	4269911.74	UCART1	10.06
3,099	638805.38	4269911.74	UCART1	10.06
3,100	638845.38	4269911.74	UCART1	10.33
3,101	638885.38	4269911.74	UCART1	10.34
3,102	638965.38	4269911.74	UCART1	10.36
3,103	639005.38	4269911.74	UCART1	10.36
3,104	638645.38	4269951.74	UCART1	10.06
3,105	638685.38	4269951.74	UCART1	10.06
3,106	638725.38	4269951.74	UCART1	10.13
3,107	638765.38	4269951.74	UCART1	10.22
3,108	638805.38	4269951.74	UCART1	10.36

3,109	638845.38	4269951.74	UCART1	10.43
3,110	638885.38	4269951.74	UCART1	10.52
3,111	638925.38	4269951.74	UCART1	10.67
3,112	639005.38	4269951.74	UCART1	10.60
3,113	638645.38	4269991.74	UCART1	10.12
3,114	638685.38	4269991.74	UCART1	10.23
3,115	638725.38	4269991.74	UCART1	10.36
3,116	638765.38	4269991.74	UCART1	10.36
3,117	638805.38	4269991.74	UCART1	10.49
3,118	638845.38	4269991.74	UCART1	10.67
3,119	638885.38	4269991.74	UCART1	10.60
3,120	638925.38	4269991.74	UCART1	10.50
3,121	638965.38	4269991.74	UCART1	10.49
3,122	638645.38	4270031.74	UCART1	10.34
3,123	638685.38	4270031.74	UCART1	10.36
3,124	638725.38	4270031.74	UCART1	10.36
3,125	638765.38	4270031.74	UCART1	10.36
3,126	638805.38	4270031.74	UCART1	10.58
3,127	638845.38	4270031.74	UCART1	10.66
3,128	638885.38	4270031.74	UCART1	10.38
3,129	638925.38	4270031.74	UCART1	10.36
3,130	638965.38	4270031.74	UCART1	10.38
3,131	639005.38	4270031.74	UCART1	10.64
3,132	638645.38	4270071.74	UCART1	10.36
3,133	638685.38	4270071.74	UCART1	10.36
3,134	638725.38	4270071.74	UCART1	10.37
3,135	638765.38	4270071.74	UCART1	10.52
3,136	638805.38	4270071.74	UCART1	10.67
3,137	638845.38	4270071.74	UCART1	10.67
3,138	638885.38	4270071.74	UCART1	10.67
3,139	638925.38	4270071.74	UCART1	10.67
3,140	638965.38	4270071.74	UCART1	10.67
3,141	639005.38	4270071.74	UCART1	10.67
3,142	638645.38	4270111.74	UCART1	10.53
3,143	638685.38	4270111.74	UCART1	10.53
3,144	638725.38	4270111.74	UCART1	10.54
3,145	638765.38	4270111.74	UCART1	10.67
3,146	638805.38	4270111.74	UCART1	10.67

3,147	638845.38	4270111.74	UCART1	10.67
3,148	638885.38	4270111.74	UCART1	10.67
3,149	638925.38	4270111.74	UCART1	10.67
3,150	638965.38	4270111.74	UCART1	10.67
3,151	639005.38	4270111.74	UCART1	10.67
3,152	638645.38	4270151.74	UCART1	10.67
3,153	638685.38	4270151.74	UCART1	10.67
3,154	638725.38	4270151.74	UCART1	10.67
3,155	638765.38	4270151.74	UCART1	10.67
3,156	638805.38	4270151.74	UCART1	10.67
3,157	638845.38	4270151.74	UCART1	10.67
3,158	638885.38	4270151.74	UCART1	10.67
3,159	638925.38	4270151.74	UCART1	10.67
3,160	638965.38	4270151.74	UCART1	10.67
3,161	639005.38	4270151.74	UCART1	10.67
3,162	638645.38	4270191.74	UCART1	10.67
3,163	638685.38	4270191.74	UCART1	10.67
3,164	638725.38	4270191.74	UCART1	10.67
3,165	638765.38	4270191.74	UCART1	10.67
3,166	638805.38	4270191.74	UCART1	10.67
3,167	638845.38	4270191.74	UCART1	10.67
3,168	638965.38	4270191.74	UCART1	10.74
3,169	639005.38	4270191.74	UCART1	10.74
3,170	638845.38	4270231.74	UCART1	10.84
3,171	638885.38	4270231.74	UCART1	10.84
3,172	638925.38	4270231.74	UCART1	10.84
3,173	638965.38	4270231.74	UCART1	10.98
3,174	639005.38	4270231.74	UCART1	11.14
3,175	638645.38	4270271.74	UCART1	10.67
3,176	638725.38	4270271.74	UCART1	10.68
3,177	638765.38	4270271.74	UCART1	10.94
3,178	638805.38	4270271.74	UCART1	10.94
3,179	638845.38	4270271.74	UCART1	10.99
3,180	639005.38	4270271.74	UCART1	11.55
3,181	638645.38	4270311.74	UCART1	10.67
3,182	638725.38	4270311.74	UCART1	10.97
3,183	638765.38	4270311.74	UCART1	10.97
3,184	638925.38	4270311.74	UCART1	11.63

3,185	638965.38	4270311.74	UCART1	11.66
3,186	639005.38	4270311.74	UCART1	11.91
3,187	638645.38	4270351.74	UCART1	10.84
3,188	638685.38	4270351.74	UCART1	10.93
3,189	638725.38	4270351.74	UCART1	10.97
3,190	638765.38	4270351.74	UCART1	11.04
3,191	638805.38	4270351.74	UCART1	11.24
3,192	638925.38	4270351.74	UCART1	11.85
3,193	638965.38	4270351.74	UCART1	12.06
3,194	639005.38	4270351.74	UCART1	12.11
3,195	638645.38	4270391.74	UCART1	10.97
3,196	638725.38	4270391.74	UCART1	10.97
3,197	638765.38	4270391.74	UCART1	11.09
3,198	638805.38	4270391.74	UCART1	11.28
3,199	638845.38	4270391.74	UCART1	11.60
3,200	638885.38	4270391.74	UCART1	11.97
3,201	638925.38	4270391.74	UCART1	12.16
3,202	638965.38	4270391.74	UCART1	12.19
3,203	639005.38	4270391.74	UCART1	12.19
3,204	638645.38	4270431.74	UCART1	10.97
3,205	638725.38	4270431.74	UCART1	10.99
3,206	638765.38	4270431.74	UCART1	11.28
3,207	638805.38	4270431.74	UCART1	11.50
3,208	638845.38	4270431.74	UCART1	11.60
3,209	638885.38	4270431.74	UCART1	12.05
3,210	638925.38	4270431.74	UCART1	12.19
3,211	638965.38	4270431.74	UCART1	12.19
3,212	639005.38	4270431.74	UCART1	12.19
3,213	638645.38	4270471.74	UCART1	10.97
3,214	638725.38	4270471.74	UCART1	11.15
3,215	638765.38	4270471.74	UCART1	11.28
3,216	638805.38	4270471.74	UCART1	11.50
3,217	638845.38	4270471.74	UCART1	11.77
3,218	638885.38	4270471.74	UCART1	12.09
3,219	638925.38	4270471.74	UCART1	12.19
3,220	638965.38	4270471.74	UCART1	12.19
3,221	639005.38	4270471.74	UCART1	12.19
3,222	638645.38	4270511.74	UCART1	10.97

3,223	638725.38	4270511.74	UCART1	11.28
3,224	638765.38	4270511.74	UCART1	11.28
3,225	638805.38	4270511.74	UCART1	11.50
3,226	638845.38	4270511.74	UCART1	11.63
3,227	638885.38	4270511.74	UCART1	11.90
3,228	638925.38	4270511.74	UCART1	11.92
3,229	638965.38	4270511.74	UCART1	11.93
3,230	639005.38	4270511.74	UCART1	12.19
3,231	638645.38	4270551.74	UCART1	10.97
3,232	638725.38	4270551.74	UCART1	11.28
3,233	638765.38	4270551.74	UCART1	11.28
3,234	638805.38	4270551.74	UCART1	11.45
3,235	638845.38	4270551.74	UCART1	11.58
3,236	638885.38	4270551.74	UCART1	11.67
3,237	638925.38	4270551.74	UCART1	11.87
3,238	638965.38	4270551.74	UCART1	11.90
3,239	639005.38	4270551.74	UCART1	12.19
3,240	638645.38	4270591.74	UCART1	10.97
3,241	638725.38	4270591.74	UCART1	11.11
3,242	638765.38	4270591.74	UCART1	11.17
3,243	638805.38	4270591.74	UCART1	11.28
3,244	638845.38	4270591.74	UCART1	11.42
3,245	638885.38	4270591.74	UCART1	11.58
3,246	638925.38	4270591.74	UCART1	11.80
3,247	638965.38	4270591.74	UCART1	11.90
3,248	639005.38	4270591.74	UCART1	12.19
3,249	638645.38	4270631.74	UCART1	10.80
3,250	638685.38	4270631.74	UCART1	10.97
3,251	638725.38	4270631.74	UCART1	10.97
3,252	638765.38	4270631.74	UCART1	10.99
3,253	638805.38	4270631.74	UCART1	11.00
3,254	638845.38	4270631.74	UCART1	11.28
3,255	638885.38	4270631.74	UCART1	11.41
3,256	638925.38	4270631.74	UCART1	11.61
3,257	638965.38	4270631.74	UCART1	11.89
3,258	639005.38	4270631.74	UCART1	12.02
3,259	638645.38	4270671.74	UCART1	10.67
3,260	638685.38	4270671.74	UCART1	10.67

3,261	638725.38	4270671.74	UCART1	10.67
3,262	638765.38	4270671.74	UCART1	10.67
3,263	638805.38	4270671.74	UCART1	10.89
3,264	638845.38	4270671.74	UCART1	11.21
3,265	638885.38	4270671.74	UCART1	11.37
3,266	638925.38	4270671.74	UCART1	11.56
3,267	638965.38	4270671.74	UCART1	11.58
3,268	639005.38	4270671.74	UCART1	11.58
3,269	638645.38	4270711.74	UCART1	10.67
3,270	638685.38	4270711.74	UCART1	10.67
3,271	638725.38	4270711.74	UCART1	10.67
3,272	638765.38	4270711.74	UCART1	10.67
3,273	638805.38	4270711.74	UCART1	10.89
3,274	638845.38	4270711.74	UCART1	10.99
3,275	638885.38	4270711.74	UCART1	11.28
3,276	638925.38	4270711.74	UCART1	11.37
3,277	638965.38	4270711.74	UCART1	11.41
3,278	639005.38	4270711.74	UCART1	11.41
3,279	638645.38	4270791.74	UCART1	10.62
3,280	638685.38	4270791.74	UCART1	10.67
3,281	638725.38	4270791.74	UCART1	10.67
3,282	638765.38	4270791.74	UCART1	10.67
3,283	638805.38	4270791.74	UCART1	10.84
3,284	638845.38	4270791.74	UCART1	10.90
3,285	638885.38	4270791.74	UCART1	10.93
3,286	638645.38	4270831.74	UCART1	10.59
3,287	638685.38	4270831.74	UCART1	10.67
3,288	638725.38	4270831.74	UCART1	10.67
3,289	638765.38	4270831.74	UCART1	10.67
3,290	638805.38	4270831.74	UCART1	10.67
3,291	638845.38	4270831.74	UCART1	10.67
3,292	638885.38	4270831.74	UCART1	10.78
3,293	638925.38	4270831.74	UCART1	10.97
3,294	638645.38	4270871.74	UCART1	10.67
3,295	638685.38	4270871.74	UCART1	10.67
3,296	638725.38	4270871.74	UCART1	10.67
3,297	638765.38	4270871.74	UCART1	10.67
3,298	638805.38	4270871.74	UCART1	10.47

3,299	638845.38	4270871.74	UCART1	10.41
3,300	638885.38	4270871.74	UCART1	10.68
3,301	638925.38	4270871.74	UCART1	10.89
3,302	638965.38	4270871.74	UCART1	10.97
3,303	638645.38	4270911.74	UCART1	10.62
3,304	638685.38	4270911.74	UCART1	10.67
3,305	638725.38	4270911.74	UCART1	10.60
3,306	638765.38	4270911.74	UCART1	10.60
3,307	638805.38	4270911.74	UCART1	10.38
3,308	638845.38	4270911.74	UCART1	10.30
3,309	638885.38	4270911.74	UCART1	10.45
3,310	638925.38	4270911.74	UCART1	10.65
3,311	638965.38	4270911.74	UCART1	10.67
3,312	639005.38	4270911.74	UCART1	10.54
3,313	638645.38	4270951.74	UCART1	10.41
3,314	638685.38	4270951.74	UCART1	10.50
3,315	638725.38	4270951.74	UCART1	10.52
3,316	638765.38	4270951.74	UCART1	10.19
3,317	638805.38	4270951.74	UCART1	10.10
3,318	638845.38	4270951.74	UCART1	9.89
3,319	638885.38	4270951.74	UCART1	10.02
3,320	638925.38	4270951.74	UCART1	10.12
3,321	638965.38	4270951.74	UCART1	9.97
3,322	639005.38	4270951.74	UCART1	9.52
3,323	638645.38	4270991.74	UCART1	9.92
3,324	638685.38	4270991.74	UCART1	10.09
3,325	638725.38	4270991.74	UCART1	9.85
3,326	638765.38	4270991.74	UCART1	9.79
3,327	638805.38	4270991.74	UCART1	9.59
3,328	638845.38	4270991.74	UCART1	9.48
3,329	638885.38	4270991.74	UCART1	9.48
3,330	638925.38	4270991.74	UCART1	9.29
3,331	638965.38	4270991.74	UCART1	8.91
3,332	639005.38	4270991.74	UCART1	9.24
3,333	638645.38	4271031.74	UCART1	9.50
3,334	638685.38	4271031.74	UCART1	9.52
3,335	638725.38	4271031.74	UCART1	9.38
3,336	638765.38	4271031.74	UCART1	9.38

3,337	638805.38	4271031.74	UCART1	9.38
3,338	638845.38	4271031.74	UCART1	9.37
3,339	638885.38	4271031.74	UCART1	9.14
3,340	638925.38	4271031.74	UCART1	9.24
3,341	638965.38	4271031.74	UCART1	9.75
3,342	639005.38	4271031.74	UCART1	10.45
3,343	638645.38	4271071.74	UCART1	9.19
3,344	638685.38	4271071.74	UCART1	9.28
3,345	638725.38	4271071.74	UCART1	9.14
3,346	638765.38	4271071.74	UCART1	9.14
3,347	638805.38	4271071.74	UCART1	9.02
3,348	638845.38	4271071.74	UCART1	8.97
3,349	638885.38	4271071.74	UCART1	9.04
3,350	638925.38	4271071.74	UCART1	9.58
3,351	638965.38	4271071.74	UCART1	10.85
3,352	639005.38	4271071.74	UCART1	10.97
3,353	638645.38	4271111.74	UCART1	9.31
3,354	638685.38	4271111.74	UCART1	9.14
3,355	638725.38	4271111.74	UCART1	9.14
3,356	638765.38	4271111.74	UCART1	9.14
3,357	638805.38	4271111.74	UCART1	8.93
3,358	638845.38	4271111.74	UCART1	9.11
3,359	638885.38	4271111.74	UCART1	9.02
3,360	638925.38	4271111.74	UCART1	8.92
3,361	638965.38	4271111.74	UCART1	9.40
3,362	639005.38	4271111.74	UCART1	10.80
3,363	638605.45	4270390.92	UCART1	10.97
3,364	638605.45	4270430.92	UCART1	10.97
3,365	638605.45	4270470.92	UCART1	10.97
3,366	638605.45	4270510.92	UCART1	10.97
3,367	638605.45	4270550.92	UCART1	10.97
3,368	638605.45	4270590.92	UCART1	10.97
3,369	638605.45	4270630.92	UCART1	10.71
3,370	638605.45	4270670.92	UCART1	10.67
3,371	638605.45	4270710.92	UCART1	10.67
3,372	638605.45	4270790.92	UCART1	10.66
3,373	638605.45	4270830.92	UCART1	10.51
3,374	638605.45	4270870.92	UCART1	10.38

3,375	638605.45	4270910.92	UCART1	10.32	
3,376	638605.45	4270950.92	UCART1	10.07	
3,377	638605.45	4270990.92	UCART1	9.80	
3,378	638605.45	4271030.92	UCART1	9.39	
3,379	638605.45	4271070.92	UCART1	9.30	
3,380	638605.45	4271110.92	UCART1	9.70	

Plant Boundary Receptors

Receptor Pathway

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	637060.45	4271428.10	FENCEPRI	10.38	
2	637144.17	4271358.02	FENCEPRI	9.75	
3	637162.34	4271343.09	FENCEPRI	9.87	
4	637135.08	4271306.75	FENCEPRI	9.76	
5	637139.62	4271298.32	FENCEPRI	9.81	
6	637089.66	4271236.67	FENCEPRI	9.46	
7	637081.22	4271243.81	FENCEPRI	9.47	
8	637067.59	4271229.53	FENCEPRI	9.45	
9	637059.81	4271238.62	FENCEPRI	9.45	
10	637073.43	4271249.65	FENCEPRI	9.45	
11	637066.29	4271258.73	FENCEPRI	9.45	
12	637118.86	4271320.38	FENCEPRI	9.75	
13	637127.94	4271313.89	FENCEPRI	9.75	
14	637148.71	4271343.74	FENCEPRI	9.81	
15	637056.56	4271416.42	FENCEPRI	10.36	
16	637022.17	4271432.00	FENCEPRI	9.97	
17	636978.69	4271445.62	FENCEPRI	9.69	
18	636955.98	4271450.17	FENCEPRI	9.42	
19	636917.69	4271450.17	FENCEPRI	9.14	
20	636833.33	4271442.38	FENCEPRI	9.14	
21	636745.08	4271433.94	FENCEPRI	9.14	
22	636680.83	4271428.10	FENCEPRI	9.14	
23	636581.44	4271417.55	FENCEPRI	9.14	
24	636489.30	4271410.24	FENCEPRI	7.97	
25	636414.70	4271411.70	FENCEPRI	7.96	
26	636354.74	4271414.63	FENCEPRI	7.93	
27	636300.62	4271426.33	FENCEPRI	7.92	
28	636223.10	4271438.03	FENCEPRI	7.99	
29	636094.39	4271457.04	FENCEPRI	7.80	
30	636012.48	4271474.59	FENCEPRI	7.93	
31	635929.33	4271498.57	FENCEPRI	7.93	
32	635832.80	4271536.60	FENCEPRI	7.91	
33	635781.60	4271558.54	FENCEPRI	8.01	
34	635723.10	4271595.11	FENCEPRI	7.93	
35	635651.43	4271653.62	FENCEPRI	7.93	
36	635569.52	4271716.51	FENCEPRI	8.24	
37	635497.85	4271763.32	FENCEPRI	8.03	
38	635436.41	4271813.05	FENCEPRI	7.89	
39	635348.66	4271899.34	FENCEPRI	8.45	

40	635268.21	4271978.33	FENCEPRI	8.45	
41	635193.61	4272048.53	FENCEPRI	8.10	
42	635154.12	4272082.18	FENCEPRI	8.15	
43	635102.93	4272026.59	FENCEPRI	9.54	
44	635079.53	4272063.16	FENCEPRI	9.86	
45	635082.45	4272093.88	FENCEPRI	9.30	
46	635098.54	4272123.13	FENCEPRI	8.42	
47	634974.21	4272202.11	FENCEPRI	10.14	
48	634974.21	4272285.48	FENCEPRI	7.92	
49	634930.33	4272330.83	FENCEPRI	7.76	
50	634921.56	4272320.59	FENCEPRI	7.87	
51	634928.87	4272304.50	FENCEPRI	8.08	
52	634934.72	4272289.87	FENCEPRI	8.26	
53	634931.80	4272284.02	FENCEPRI	8.37	
54	634917.17	4272305.96	FENCEPRI	8.10	
55	634904.01	4272329.36	FENCEPRI	7.88	
56	634871.47	4272348.56	FENCEPRI	7.89	
57	634810.04	4272377.81	FENCEPRI	7.85	
58	634769.08	4272389.52	FENCEPRI	7.78	
59	634694.49	4272382.20	FENCEPRI	7.85	
60	634631.59	4272373.43	FENCEPRI	7.94	
61	634552.61	4272366.11	FENCEPRI	8.01	
62	634441.44	4272325.16	FENCEPRI	7.97	
63	634296.63	4272265.19	FENCEPRI	7.97	
64	634129.89	4272187.66	FENCEPRI	8.23	
65	634042.07	4272147.14	FENCEPRI	8.46	
66	633982.39	4272112.33	FENCEPRI	9.88	
67	633962.49	4272091.19	FENCEPRI	10.09	
68	633951.30	4272065.08	FENCEPRI	10.15	
69	633941.36	4272027.78	FENCEPRI	9.51	
70	633933.90	4272001.67	FENCEPRI	8.68	
71	633921.46	4271975.56	FENCEPRI	7.34	
72	633901.57	4271955.67	FENCEPRI	6.14	
73	633868.00	4271940.75	FENCEPRI	6.90	
74	633826.97	4271932.05	FENCEPRI	7.48	
75	633808.32	4271923.34	FENCEPRI	7.32	
76	633788.43	4271908.42	FENCEPRI	7.32	
77	633774.75	4271891.02	FENCEPRI	7.28	
78	633753.62	4271827.61	FENCEPRI	6.91	
79	633710.10	4271690.84	FENCEPRI	10.38	
80	633693.34	4271700.25	FENCEPRI	10.00	
81	633765.12	4271898.78	FENCEPRI	7.23	
82	633786.50	4271928.55	FENCEPRI	7.40	

83	633803.29	4271938.48	FENCEPRI	7.72	
84	633831.55	4271943.06	FENCEPRI	7.70	
85	633860.56	4271946.88	FENCEPRI	7.22	
86	633881.94	4271952.99	FENCEPRI	6.57	
87	633908.67	4271972.84	FENCEPRI	7.09	
88	633921.65	4271994.22	FENCEPRI	8.47	
89	633931.57	4272030.87	FENCEPRI	9.97	
90	633937.68	4272053.01	FENCEPRI	10.19	
91	633918.59	4272053.01	FENCEPRI	10.37	
92	633911.72	4272097.30	FENCEPRI	8.95	
93	633956.01	4272101.12	FENCEPRI	9.86	
94	634007.93	4272137.00	FENCEPRI	8.70	
95	634056.79	4272161.44	FENCEPRI	8.15	
96	634114.06	4272189.69	FENCEPRI	8.23	
97	634214.87	4272236.41	FENCEPRI	7.75	
98	634313.68	4272280.42	FENCEPRI	8.18	
99	634496.05	4272358.58	FENCEPRI	8.09	
100	634555.34	4272374.75	FENCEPRI	7.93	
101	634637.98	4272384.63	FENCEPRI	7.77	
102	634746.68	4272396.31	FENCEPRI	7.71	
103	634773.23	4272395.49	FENCEPRI	7.72	
104	634790.10	4272394.19	FENCEPRI	7.73	
105	634810.87	4272389.00	FENCEPRI	7.54	
106	634828.40	4272381.21	FENCEPRI	7.57	
107	634845.92	4272371.47	FENCEPRI	7.74	
108	634857.61	4272363.03	FENCEPRI	7.74	
109	634873.18	4272355.89	FENCEPRI	7.81	
110	634888.11	4272350.05	FENCEPRI	7.78	
111	634923.16	4272339.02	FENCEPRI	7.68	
112	634929.00	4272338.37	FENCEPRI	7.69	
113	634948.48	4272324.09	FENCEPRI	7.83	
114	634975.09	4272301.37	FENCEPRI	7.91	
115	634991.31	4272270.22	FENCEPRI	7.90	
116	635047.80	4272253.61	FENCEPRI	3.16	
117	635110.71	4272224.35	FENCEPRI	3.05	
118	635172.16	4272170.22	FENCEPRI	3.05	
119	635251.15	4272095.61	FENCEPRI	3.05	
120	635343.32	4272006.37	FENCEPRI	3.05	
121	635421.88	4271924.43	FENCEPRI	3.05	
122	635515.51	4271824.95	FENCEPRI	4.46	
123	635571.11	4271789.83	FENCEPRI	5.40	
124	635606.22	4271772.28	FENCEPRI	3.42	
125	635606.22	4271732.78	FENCEPRI	7.53	

126	635629.63	4271716.68	FENCEPRI	7.43	
127	635620.85	4271693.28	FENCEPRI	7.88	
128	635689.39	4271635.05	FENCEPRI	7.84	
129	635729.62	4271600.14	FENCEPRI	7.87	
130	635767.57	4271575.74	FENCEPRI	7.98	
131	635798.41	4271560.83	FENCEPRI	7.82	
132	635851.61	4271538.13	FENCEPRI	7.81	
133	635882.74	4271523.78	FENCEPRI	7.73	
134	635911.76	4271512.32	FENCEPRI	7.83	
135	635954.53	4271498.57	FENCEPRI	7.76	
136	636030.91	4271477.95	FENCEPRI	7.89	
137	636077.50	4271468.02	FENCEPRI	7.74	
138	636174.50	4271455.80	FENCEPRI	6.19	
139	636228.73	4271448.17	FENCEPRI	7.89	
140	636300.52	4271434.42	FENCEPRI	7.92	
141	636374.61	4271422.20	FENCEPRI	7.87	
142	636470.85	4271418.38	FENCEPRI	7.89	
143	636535.00	4271419.91	FENCEPRI	9.10	
144	636617.49	4271428.31	FENCEPRI	9.14	
145	636772.15	4271443.25	FENCEPRI	9.14	
146	636825.01	4271448.54	FENCEPRI	9.14	
147	636866.24	4271451.71	FENCEPRI	9.14	
148	636909.58	4271457.00	FENCEPRI	9.14	
149	636940.24	4271459.11	FENCEPRI	9.23	
150	636961.38	4271458.05	FENCEPRI	9.39	
151	637012.13	4271446.42	FENCEPRI	9.75	

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	UCART2	Receptors generated from Uniform Cartesian Grid
3	UCART1	Receptors generated from Uniform Cartesian Grid

Receptor Pathway

Terrain Elevations and Flagpole Heights for Network Grids

Receptor Pathway

Multi-Tier Grid (Risk)

Fenceline Grid

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\..\59 SMUD\56thStSMUD_2\14-18.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\..\59 SMUD\56thStSMUD_2\14-18.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 835.15 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2014			SACRAMENTO/EXECUTIVE ARPT
Upper Air		2014			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2015 Start Hour: 1 End Date: 12/25/2018 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
1	■	☐	☐	☐	☐	☐	☐	☐	☐	☐		No

Contour Plot Files (PLOTFILE)

Path for PLOTFILES: SCENARIO2S.AD

Averaging Period	Source Group ID	High Value	File Name
1	ALL	1st	01H1GALL.PLT
1	Volume	1st	01H1G001.PLT
1	Sline	1st	01H1G002.PLT
Period	ALL	N/A	PE00GALL.PLT
Period	Volume	N/A	PE00G001.PLT
Period	Sline	N/A	PE00G002.PLT

Results Summary

C:\Users\shaurya.johari\OneDrive - Ascent Environmental\Desktop\Proj

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	426.83884	ug/m^3	635606.22	4271732.78	7.53	0.00	7.53	3/6/2018, 8
PERIOD		29.38825	ug/m^3	635154.12	4272082.18	8.15	0.00	8.15	

PM10 - Concentration - Source Group: SLINE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	184.97279	ug/m^3	638526.16	4270352.29	10.67	0.00	10.67	1/16/2017, 9
PERIOD		15.02437	ug/m^3	637148.71	4271343.74	9.81	0.00	9.81	

PM10 - Concentration - Source Group: VOLUME

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	423.19693	ug/m^3	635606.22	4271732.78	7.53	0.00	7.53	3/6/2018, 8
PERIOD		29.28149	ug/m^3	635154.12	4272082.18	8.15	0.00	8.15	

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RM	MILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_R	EGG_RISK
1	ALL		636686.2	4269592	7.17E-09	1YrCancerD	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		636726.2	4269592	7.25E-09	1YrCancerD	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		636766.2	4269592	7.34E-09	1YrCancerD	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		637126.2	4269592	8.80E-09	1YrCancerD	8.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		637166.2	4269592	8.48E-09	1YrCancerD	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		637206.2	4269592	8.20E-09	1YrCancerD	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		637246.2	4269592	7.95E-09	1YrCancerD	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		637286.2	4269592	7.73E-09	1YrCancerD	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		637326.2	4269592	7.54E-09	1YrCancerD	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		638446.2	4269592	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		638526.2	4269592	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		636766.2	4269632	7.67E-09	1YrCancerD	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		637166.2	4269632	8.93E-09	1YrCancerD	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		637206.2	4269632	8.59E-09	1YrCancerD	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		637246.2	4269632	8.30E-09	1YrCancerD	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		637286.2	4269632	8.04E-09	1YrCancerD	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		637326.2	4269632	7.83E-09	1YrCancerD	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		637726.2	4269632	6.79E-09	1YrCancerD	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		637766.2	4269632	6.76E-09	1YrCancerD	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		637806.2	4269632	6.75E-09	1YrCancerD	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		637846.2	4269632	6.75E-09	1YrCancerD	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		637886.2	4269632	6.77E-09	1YrCancerD	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		637926.2	4269632	6.82E-09	1YrCancerD	6.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		637966.2	4269632	6.89E-09	1YrCancerD	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		638006.2	4269632	6.99E-09	1YrCancerD	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		638046.2	4269632	7.13E-09	1YrCancerD	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		638086.2	4269632	7.32E-09	1YrCancerD	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		638126.2	4269632	7.56E-09	1YrCancerD	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		638166.2	4269632	7.87E-09	1YrCancerD	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		638206.2	4269632	8.27E-09	1YrCancerD	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		638246.2	4269632	8.79E-09	1YrCancerD	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		638286.2	4269632	9.45E-09	1YrCancerD	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		638326.2	4269632	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		638366.2	4269632	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		638406.2	4269632	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		638446.2	4269632	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		638486.2	4269632	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		638526.2	4269632	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		638566.2	4269632	5.58E-08	1YrCancerD	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		636686.2	4269672	7.67E-09	1YrCancerD	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		636726.2	4269672	7.83E-09	1YrCancerD	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		637206.2	4269672	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		637246.2	4269672	8.69E-09	1YrCancerD	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		637286.2	4269672	8.40E-09	1YrCancerD	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		637326.2	4269672	8.15E-09	1YrCancerD	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		637366.2	4269672	7.94E-09	1YrCancerD	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL		637686.2	4269672	7.05E-09	1YrCancerD	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL		637766.2	4269672	6.95E-09	1YrCancerD	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL		637806.2	4269672	6.92E-09	1YrCancerD	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL		637846.2	4269672	6.91E-09	1YrCancerD	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL		637886.2	4269672	6.93E-09	1YrCancerD	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL		637926.2	4269672	6.97E-09	1YrCancerD	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL		637966.2	4269672	7.03E-09	1YrCancerD	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL		638006.2	4269672	7.13E-09	1YrCancerD	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL		638046.2	4269672	7.27E-09	1YrCancerD	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL		638086.2	4269672	7.45E-09	1YrCancerD	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL		638126.2	4269672	7.69E-09	1YrCancerD	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL		638166.2	4269672	8.00E-09	1YrCancerD	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL		638206.2	4269672	8.39E-09	1YrCancerD	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL		638246.2	4269672	8.90E-09	1YrCancerD	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL		638286.2	4269672	9.57E-09	1YrCancerD	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL		638326.2	4269672	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL		638366.2	4269672	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL		638406.2	4269672	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL		638446.2	4269672	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL		638486.2	4269672	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL		638526.2	4269672	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL		638566.2	4269672	5.50E-08	1YrCancerD	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL		636686.2	4269712	7.97E-09	1YrCancerD	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL		636726.2	4269712	8.20E-09	1YrCancerD	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL		636766.2	4269712	8.53E-09	1YrCancerD	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL		637286.2	4269712	8.79E-09	1YrCancerD	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL		637326.2	4269712	8.51E-09	1YrCancerD	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL		637366.2	4269712	8.28E-09	1YrCancerD	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL		637686.2	4269712	7.27E-09	1YrCancerD	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL		637766.2	4269712	7.15E-09	1YrCancerD	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL		637806.2	4269712	7.11E-09	1YrCancerD	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL		637846.2	4269712	7.10E-09	1YrCancerD	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL		637886.2	4269712	7.10E-09	1YrCancerD	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL		637926.2	4269712	7.13E-09	1YrCancerD	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL		637966.2	4269712	7.19E-09	1YrCancerD	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL		638006.2	4269712	7.28E-09	1YrCancerD	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL		638046.2	4269712	7.41E-09	1YrCancerD	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL		638086.2	4269712	7.58E-09	1YrCancerD	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL		638126.2	4269712	7.82E-09	1YrCancerD	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL		638166.2	4269712	8.12E-09	1YrCancerD	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL		638206.2	4269712	8.52E-09	1YrCancerD	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL		638246.2	4269712	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL		638286.2	4269712	9.69E-09	1YrCancerD	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL		638326.2	4269712	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL		638366.2	4269712	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL		638406.2	4269712	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL		638446.2	4269712	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

94	ALL	638486.2	4269712	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	638526.2	4269712	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	638566.2	4269712	5.42E-08	1YrCancerD	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	636646.2	4269752	8.06E-09	1YrCancerD	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	636686.2	4269752	8.29E-09	1YrCancerD	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	636726.2	4269752	8.63E-09	1YrCancerD	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	636766.2	4269752	9.12E-09	1YrCancerD	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	636806.2	4269752	9.86E-09	1YrCancerD	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	637086.2	4269752	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	637126.2	4269752	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	637286.2	4269752	9.25E-09	1YrCancerD	9.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	637326.2	4269752	8.94E-09	1YrCancerD	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	637686.2	4269752	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	637726.2	4269752	7.45E-09	1YrCancerD	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	637766.2	4269752	7.38E-09	1YrCancerD	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	637806.2	4269752	7.33E-09	1YrCancerD	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	637846.2	4269752	7.30E-09	1YrCancerD	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	637886.2	4269752	7.29E-09	1YrCancerD	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	637926.2	4269752	7.31E-09	1YrCancerD	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	637966.2	4269752	7.35E-09	1YrCancerD	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	638006.2	4269752	7.43E-09	1YrCancerD	7.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	638046.2	4269752	7.56E-09	1YrCancerD	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	638086.2	4269752	7.73E-09	1YrCancerD	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	638126.2	4269752	7.96E-09	1YrCancerD	7.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	638166.2	4269752	8.26E-09	1YrCancerD	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	638206.2	4269752	8.65E-09	1YrCancerD	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	638246.2	4269752	9.16E-09	1YrCancerD	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	638286.2	4269752	9.83E-09	1YrCancerD	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	638326.2	4269752	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	638366.2	4269752	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	638406.2	4269752	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	638446.2	4269752	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	638486.2	4269752	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	638526.2	4269752	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	638566.2	4269752	5.36E-08	1YrCancerD	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	636646.2	4269792	8.34E-09	1YrCancerD	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	636686.2	4269792	8.63E-09	1YrCancerD	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	636726.2	4269792	9.10E-09	1YrCancerD	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	636766.2	4269792	9.84E-09	1YrCancerD	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	636806.2	4269792	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	636846.2	4269792	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	637046.2	4269792	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	637086.2	4269792	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	637126.2	4269792	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	637166.2	4269792	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	637286.2	4269792	9.80E-09	1YrCancerD	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	637326.2	4269792	9.45E-09	1YrCancerD	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	637646.2	4269792	7.95E-09	1YrCancerD	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	637686.2	4269792	7.83E-09	1YrCancerD	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	637726.2	4269792	7.73E-09	1YrCancerD	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	637766.2	4269792	7.64E-09	1YrCancerD	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	637806.2	4269792	7.57E-09	1YrCancerD	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	637846.2	4269792	7.52E-09	1YrCancerD	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	637886.2	4269792	7.50E-09	1YrCancerD	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	637926.2	4269792	7.50E-09	1YrCancerD	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	637966.2	4269792	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	638006.2	4269792	7.60E-09	1YrCancerD	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	638046.2	4269792	7.72E-09	1YrCancerD	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	638086.2	4269792	7.88E-09	1YrCancerD	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	638126.2	4269792	8.11E-09	1YrCancerD	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	638166.2	4269792	8.41E-09	1YrCancerD	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	638206.2	4269792	8.80E-09	1YrCancerD	8.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	638246.2	4269792	9.31E-09	1YrCancerD	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	638286.2	4269792	9.98E-09	1YrCancerD	9.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	638326.2	4269792	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	638366.2	4269792	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	638406.2	4269792	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	638446.2	4269792	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	638526.2	4269792	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	638566.2	4269792	5.33E-08	1YrCancerD	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	636646.2	4269832	8.65E-09	1YrCancerD	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	636686.2	4269832	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	636726.2	4269832	9.67E-09	1YrCancerD	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	636766.2	4269832	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	636806.2	4269832	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	636846.2	4269832	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	637006.2	4269832	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	637046.2	4269832	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	637086.2	4269832	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	637126.2	4269832	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	637166.2	4269832	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	637206.2	4269832	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	637246.2	4269832	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	637286.2	4269832	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	637326.2	4269832	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	637646.2	4269832	8.33E-09	1YrCancerD	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	637686.2	4269832	8.19E-09	1YrCancerD	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	637726.2	4269832	8.05E-09	1YrCancerD	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	637766.2	4269832	7.94E-09	1YrCancerD	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	637806.2	4269832	7.84E-09	1YrCancerD	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	637846.2	4269832	7.77E-09	1YrCancerD	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	637886.2	4269832	7.72E-09	1YrCancerD	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	637926.2	4269832	7.71E-09	1YrCancerD	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	637966.2	4269832	7.72E-09	1YrCancerD	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

188	ALL	638006.2	4269832	7.78E-09	1YrCancerD	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	638046.2	4269832	7.89E-09	1YrCancerD	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	638086.2	4269832	8.05E-09	1YrCancerD	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	638126.2	4269832	8.27E-09	1YrCancerD	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	638166.2	4269832	8.57E-09	1YrCancerD	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	638206.2	4269832	8.96E-09	1YrCancerD	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	638246.2	4269832	9.48E-09	1YrCancerD	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	638286.2	4269832	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	638326.2	4269832	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	638366.2	4269832	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	638406.2	4269832	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	638446.2	4269832	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	638526.2	4269832	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	638566.2	4269832	5.33E-08	1YrCancerD	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	636646.2	4269872	9.02E-09	1YrCancerD	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	636686.2	4269872	9.52E-09	1YrCancerD	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	636726.2	4269872	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	636766.2	4269872	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	636806.2	4269872	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	636846.2	4269872	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	637006.2	4269872	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	637046.2	4269872	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	637086.2	4269872	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	637126.2	4269872	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	637166.2	4269872	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	637206.2	4269872	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	637246.2	4269872	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	637286.2	4269872	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	637646.2	4269872	8.80E-09	1YrCancerD	8.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	637686.2	4269872	8.61E-09	1YrCancerD	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	637726.2	4269872	8.43E-09	1YrCancerD	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	637766.2	4269872	8.28E-09	1YrCancerD	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	637806.2	4269872	8.15E-09	1YrCancerD	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	637846.2	4269872	8.05E-09	1YrCancerD	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	637886.2	4269872	7.97E-09	1YrCancerD	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	637926.2	4269872	7.93E-09	1YrCancerD	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	637966.2	4269872	7.93E-09	1YrCancerD	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	638006.2	4269872	7.98E-09	1YrCancerD	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	638046.2	4269872	8.07E-09	1YrCancerD	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	638086.2	4269872	8.23E-09	1YrCancerD	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	638126.2	4269872	8.44E-09	1YrCancerD	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	638166.2	4269872	8.74E-09	1YrCancerD	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	638206.2	4269872	9.14E-09	1YrCancerD	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	638246.2	4269872	9.66E-09	1YrCancerD	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	638286.2	4269872	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	638326.2	4269872	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	638366.2	4269872	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	638406.2	4269872	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	638446.2	4269872	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	638486.2	4269872	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	638526.2	4269872	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	638566.2	4269872	5.35E-08	1YrCancerD	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	636646.2	4269912	9.45E-09	1YrCancerD	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	636686.2	4269912	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	636726.2	4269912	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	636766.2	4269912	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	636806.2	4269912	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	637046.2	4269912	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	637086.2	4269912	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	637126.2	4269912	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	637166.2	4269912	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	637206.2	4269912	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	637246.2	4269912	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	637286.2	4269912	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	637646.2	4269912	9.38E-09	1YrCancerD	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	637686.2	4269912	9.13E-09	1YrCancerD	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	637726.2	4269912	8.90E-09	1YrCancerD	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	637766.2	4269912	8.69E-09	1YrCancerD	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	637806.2	4269912	8.51E-09	1YrCancerD	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	637846.2	4269912	8.36E-09	1YrCancerD	8.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	637886.2	4269912	8.25E-09	1YrCancerD	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	637926.2	4269912	8.18E-09	1YrCancerD	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	637966.2	4269912	8.16E-09	1YrCancerD	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	638006.2	4269912	8.19E-09	1YrCancerD	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	638046.2	4269912	8.28E-09	1YrCancerD	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	638086.2	4269912	8.42E-09	1YrCancerD	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	638126.2	4269912	8.63E-09	1YrCancerD	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	638166.2	4269912	8.93E-09	1YrCancerD	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	638206.2	4269912	9.33E-09	1YrCancerD	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	638246.2	4269912	9.87E-09	1YrCancerD	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	638286.2	4269912	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	638326.2	4269912	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	638366.2	4269912	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	638406.2	4269912	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	638446.2	4269912	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	638486.2	4269912	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	638526.2	4269912	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	638566.2	4269912	5.37E-08	1YrCancerD	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	636646.2	4269952	9.93E-09	1YrCancerD	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	636686.2	4269952	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	636726.2	4269952	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	636766.2	4269952	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	636806.2	4269952	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	637086.2	4269952	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

282	ALL	637126.2	4269952	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	637166.2	4269952	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	637206.2	4269952	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	637246.2	4269952	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	637286.2	4269952	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	637606.2	4269952	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	637646.2	4269952	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	637686.2	4269952	9.79E-09	1YrCancerD	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	637726.2	4269952	9.47E-09	1YrCancerD	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	637766.2	4269952	9.18E-09	1YrCancerD	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	637806.2	4269952	8.93E-09	1YrCancerD	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	637846.2	4269952	8.72E-09	1YrCancerD	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	637886.2	4269952	8.56E-09	1YrCancerD	8.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	637926.2	4269952	8.46E-09	1YrCancerD	8.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	637966.2	4269952	8.41E-09	1YrCancerD	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	638006.2	4269952	8.42E-09	1YrCancerD	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	638046.2	4269952	8.50E-09	1YrCancerD	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	638086.2	4269952	8.63E-09	1YrCancerD	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	638126.2	4269952	8.84E-09	1YrCancerD	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	638166.2	4269952	9.15E-09	1YrCancerD	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	638206.2	4269952	9.56E-09	1YrCancerD	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	638246.2	4269952	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	638286.2	4269952	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	638326.2	4269952	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	638366.2	4269952	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	638406.2	4269952	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	638446.2	4269952	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	638486.2	4269952	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	638526.2	4269952	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	638566.2	4269952	5.40E-08	1YrCancerD	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	636286.2	4269992	8.76E-09	1YrCancerD	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	636326.2	4269992	8.82E-09	1YrCancerD	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	636366.2	4269992	8.87E-09	1YrCancerD	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	636406.2	4269992	8.93E-09	1YrCancerD	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	636606.2	4269992	9.89E-09	1YrCancerD	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	636646.2	4269992	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	636686.2	4269992	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	636726.2	4269992	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	636766.2	4269992	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	636806.2	4269992	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	637086.2	4269992	5.98E-08	1YrCancerD	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	637126.2	4269992	3.32E-08	1YrCancerD	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	637166.2	4269992	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	637206.2	4269992	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	637246.2	4269992	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	637286.2	4269992	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	637606.2	4269992	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	637646.2	4269992	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	637686.2	4269992	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	637806.2	4269992	9.42E-09	1YrCancerD	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	637846.2	4269992	9.13E-09	1YrCancerD	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	637886.2	4269992	8.91E-09	1YrCancerD	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	637926.2	4269992	8.76E-09	1YrCancerD	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	637966.2	4269992	8.69E-09	1YrCancerD	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	638006.2	4269992	8.68E-09	1YrCancerD	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	638046.2	4269992	8.74E-09	1YrCancerD	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	638086.2	4269992	8.87E-09	1YrCancerD	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	638126.2	4269992	9.08E-09	1YrCancerD	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	638166.2	4269992	9.40E-09	1YrCancerD	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	638206.2	4269992	9.83E-09	1YrCancerD	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	638246.2	4269992	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	638286.2	4269992	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	638326.2	4269992	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	638366.2	4269992	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	638406.2	4269992	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	638446.2	4269992	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	638486.2	4269992	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	638526.2	4269992	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	638566.2	4269992	5.43E-08	1YrCancerD	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	636166.2	4270032	8.70E-09	1YrCancerD	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	636246.2	4270032	8.95E-09	1YrCancerD	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	636286.2	4270032	9.01E-09	1YrCancerD	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	636326.2	4270032	9.06E-09	1YrCancerD	9.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	636366.2	4270032	9.11E-09	1YrCancerD	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	636406.2	4270032	9.17E-09	1YrCancerD	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	636606.2	4270032	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	636646.2	4270032	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	636686.2	4270032	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	636726.2	4270032	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	636766.2	4270032	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	636806.2	4270032	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	636886.2	4270032	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	636926.2	4270032	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	636966.2	4270032	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	637166.2	4270032	4.88E-08	1YrCancerD	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	637206.2	4270032	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	637246.2	4270032	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	637606.2	4270032	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	637646.2	4270032	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	637686.2	4270032	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	637766.2	4270032	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	637806.2	4270032	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	637846.2	4270032	9.59E-09	1YrCancerD	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	637886.2	4270032	9.30E-09	1YrCancerD	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

376	ALL	637926.2	4270032	9.10E-09	1YrCancerD	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	637966.2	4270032	8.99E-09	1YrCancerD	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	638006.2	4270032	8.96E-09	1YrCancerD	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	638046.2	4270032	9.01E-09	1YrCancerD	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	638086.2	4270032	9.14E-09	1YrCancerD	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	638126.2	4270032	9.35E-09	1YrCancerD	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	638206.2	4270032	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	638246.2	4270032	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	638286.2	4270032	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	638326.2	4270032	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	638366.2	4270032	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	638406.2	4270032	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	638446.2	4270032	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	638486.2	4270032	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	638526.2	4270032	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	638566.2	4270032	5.48E-08	1YrCancerD	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	636046.2	4270072	8.43E-09	1YrCancerD	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	636086.2	4270072	8.66E-09	1YrCancerD	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	636126.2	4270072	8.84E-09	1YrCancerD	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	636166.2	4270072	9.00E-09	1YrCancerD	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	636206.2	4270072	9.13E-09	1YrCancerD	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	636246.2	4270072	9.21E-09	1YrCancerD	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	636326.2	4270072	9.31E-09	1YrCancerD	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	636366.2	4270072	9.36E-09	1YrCancerD	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	636406.2	4270072	9.43E-09	1YrCancerD	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	636606.2	4270072	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	636646.2	4270072	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	636686.2	4270072	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	636726.2	4270072	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	636766.2	4270072	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	636806.2	4270072	4.81E-08	1YrCancerD	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	636846.2	4270072	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	636886.2	4270072	4.02E-08	1YrCancerD	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	636926.2	4270072	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	636966.2	4270072	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	637006.2	4270072	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	637046.2	4270072	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	637086.2	4270072	4.21E-08	1YrCancerD	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	637246.2	4270072	7.59E-08	1YrCancerD	7.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	637606.2	4270072	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	637646.2	4270072	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	637686.2	4270072	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	637726.2	4270072	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	637766.2	4270072	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	637806.2	4270072	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	637846.2	4270072	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	637886.2	4270072	9.75E-09	1YrCancerD	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	637926.2	4270072	9.48E-09	1YrCancerD	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	637966.2	4270072	9.33E-09	1YrCancerD	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	638006.2	4270072	9.28E-09	1YrCancerD	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	638046.2	4270072	9.31E-09	1YrCancerD	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	638086.2	4270072	9.44E-09	1YrCancerD	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	638126.2	4270072	9.67E-09	1YrCancerD	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	638166.2	4270072	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	638206.2	4270072	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	638326.2	4270072	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	638366.2	4270072	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	638406.2	4270072	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	638446.2	4270072	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	638486.2	4270072	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	638526.2	4270072	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	638566.2	4270072	5.57E-08	1YrCancerD	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	635926.2	4270112	7.98E-09	1YrCancerD	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	635966.2	4270112	8.26E-09	1YrCancerD	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	636006.2	4270112	8.52E-09	1YrCancerD	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	636046.2	4270112	8.76E-09	1YrCancerD	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	636086.2	4270112	8.97E-09	1YrCancerD	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	636126.2	4270112	9.16E-09	1YrCancerD	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	636166.2	4270112	9.30E-09	1YrCancerD	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	636206.2	4270112	9.41E-09	1YrCancerD	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	636246.2	4270112	9.48E-09	1YrCancerD	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	636326.2	4270112	9.57E-09	1YrCancerD	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	636406.2	4270112	9.70E-09	1YrCancerD	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	636446.2	4270112	9.86E-09	1YrCancerD	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	636606.2	4270112	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	636646.2	4270112	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	636686.2	4270112	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	636726.2	4270112	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	636766.2	4270112	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	636806.2	4270112	7.66E-08	1YrCancerD	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	636846.2	4270112	7.55E-08	1YrCancerD	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	636886.2	4270112	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	636926.2	4270112	2.41E-08	1YrCancerD	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	636966.2	4270112	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	637006.2	4270112	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	637046.2	4270112	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	637086.2	4270112	2.62E-08	1YrCancerD	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	637166.2	4270112	3.89E-08	1YrCancerD	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	637206.2	4270112	5.03E-08	1YrCancerD	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	637246.2	4270112	6.41E-08	1YrCancerD	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	637606.2	4270112	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	637646.2	4270112	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	637686.2	4270112	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	637726.2	4270112	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

470	ALL	637806.2	4270112	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	637846.2	4270112	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	637886.2	4270112	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	637926.2	4270112	9.92E-09	1YrCancerD	9.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	637966.2	4270112	9.71E-09	1YrCancerD	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	638006.2	4270112	9.63E-09	1YrCancerD	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	638046.2	4270112	9.65E-09	1YrCancerD	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	638086.2	4270112	9.78E-09	1YrCancerD	9.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	638126.2	4270112	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	638166.2	4270112	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	638206.2	4270112	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	638326.2	4270112	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	638366.2	4270112	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	638406.2	4270112	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	638446.2	4270112	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	638486.2	4270112	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	638526.2	4270112	3.24E-08	1YrCancerD	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	638566.2	4270112	5.73E-08	1YrCancerD	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	635966.2	4270152	8.60E-09	1YrCancerD	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	636006.2	4270152	8.86E-09	1YrCancerD	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	636046.2	4270152	9.10E-09	1YrCancerD	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	636086.2	4270152	9.30E-09	1YrCancerD	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	636126.2	4270152	9.47E-09	1YrCancerD	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	636166.2	4270152	9.60E-09	1YrCancerD	9.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	636206.2	4270152	9.69E-09	1YrCancerD	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	636246.2	4270152	9.75E-09	1YrCancerD	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	636286.2	4270152	9.79E-09	1YrCancerD	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	636326.2	4270152	9.83E-09	1YrCancerD	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	636406.2	4270152	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	636446.2	4270152	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	636606.2	4270152	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	636646.2	4270152	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	636686.2	4270152	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	636726.2	4270152	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	636766.2	4270152	4.03E-08	1YrCancerD	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	636846.2	4270152	5.14E-08	1YrCancerD	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	636886.2	4270152	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	636926.2	4270152	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	636966.2	4270152	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	637006.2	4270152	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	637046.2	4270152	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	637086.2	4270152	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	637166.2	4270152	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	637206.2	4270152	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	637246.2	4270152	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	637606.2	4270152	4.39E-08	1YrCancerD	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	637646.2	4270152	2.86E-08	1YrCancerD	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	637686.2	4270152	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	637726.2	4270152	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	637766.2	4270152	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	637846.2	4270152	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	637886.2	4270152	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	637926.2	4270152	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	637966.2	4270152	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	638006.2	4270152	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	638046.2	4270152	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	638086.2	4270152	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	638126.2	4270152	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	638166.2	4270152	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	638206.2	4270152	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	638246.2	4270152	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	638286.2	4270152	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	638326.2	4270152	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	638366.2	4270152	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	638406.2	4270152	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	638486.2	4270152	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	638526.2	4270152	3.46E-08	1YrCancerD	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	638566.2	4270152	6.14E-08	1YrCancerD	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	635966.2	4270192	8.97E-09	1YrCancerD	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	636006.2	4270192	9.23E-09	1YrCancerD	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	636046.2	4270192	9.45E-09	1YrCancerD	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	636086.2	4270192	9.64E-09	1YrCancerD	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	636166.2	4270192	9.90E-09	1YrCancerD	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	636206.2	4270192	9.98E-09	1YrCancerD	9.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	636246.2	4270192	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	636286.2	4270192	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	636326.2	4270192	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	636366.2	4270192	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	636406.2	4270192	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	636446.2	4270192	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	636566.2	4270192	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	636606.2	4270192	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	636646.2	4270192	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	636686.2	4270192	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	636726.2	4270192	3.84E-08	1YrCancerD	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	636806.2	4270192	8.70E-08	1YrCancerD	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	636846.2	4270192	3.68E-08	1YrCancerD	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	636886.2	4270192	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	636926.2	4270192	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	636966.2	4270192	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	637006.2	4270192	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	637046.2	4270192	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	637086.2	4270192	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	637166.2	4270192	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

564	ALL	637206.2	4270192	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	637246.2	4270192	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	637566.2	4270192	6.15E-08	1YrCancerD	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	637686.2	4270192	3.19E-08	1YrCancerD	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	637726.2	4270192	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	637766.2	4270192	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	637806.2	4270192	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	637846.2	4270192	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	637886.2	4270192	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	637926.2	4270192	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	637966.2	4270192	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	638006.2	4270192	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	638046.2	4270192	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	638086.2	4270192	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	638126.2	4270192	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	638166.2	4270192	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	638206.2	4270192	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	638246.2	4270192	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	638286.2	4270192	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	638326.2	4270192	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	638366.2	4270192	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	638406.2	4270192	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	638446.2	4270192	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	638486.2	4270192	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	635966.2	4270232	9.35E-09	1YrCancerD	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	636006.2	4270232	9.60E-09	1YrCancerD	9.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	636046.2	4270232	9.82E-09	1YrCancerD	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	636086.2	4270232	9.99E-09	1YrCancerD	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	636166.2	4270232	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	636206.2	4270232	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	636246.2	4270232	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	636286.2	4270232	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	636326.2	4270232	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	636366.2	4270232	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	636406.2	4270232	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	636446.2	4270232	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	636566.2	4270232	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	636606.2	4270232	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	636646.2	4270232	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	636686.2	4270232	4.95E-08	1YrCancerD	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	636766.2	4270232	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	636806.2	4270232	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	636846.2	4270232	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	636886.2	4270232	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	636926.2	4270232	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	636966.2	4270232	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	637006.2	4270232	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	637046.2	4270232	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	637086.2	4270232	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	637206.2	4270232	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	637246.2	4270232	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	637566.2	4270232	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	637606.2	4270232	4.33E-08	1YrCancerD	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	637726.2	4270232	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	637766.2	4270232	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	637806.2	4270232	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	637886.2	4270232	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	637926.2	4270232	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	637966.2	4270232	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	638006.2	4270232	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	638046.2	4270232	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	638086.2	4270232	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	638126.2	4270232	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	638166.2	4270232	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	638206.2	4270232	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	638246.2	4270232	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	638286.2	4270232	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	638326.2	4270232	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	638366.2	4270232	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	638406.2	4270232	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	638446.2	4270232	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	638486.2	4270232	3.31E-08	1YrCancerD	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	638526.2	4270232	4.88E-08	1YrCancerD	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	635966.2	4270272	9.76E-09	1YrCancerD	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	636006.2	4270272	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	636086.2	4270272	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	636126.2	4270272	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	636166.2	4270272	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	636206.2	4270272	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	636366.2	4270272	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	636406.2	4270272	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	636446.2	4270272	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	636566.2	4270272	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	636606.2	4270272	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	636646.2	4270272	7.02E-08	1YrCancerD	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	636686.2	4270272	7.97E-08	1YrCancerD	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	636726.2	4270272	6.84E-08	1YrCancerD	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	636766.2	4270272	4.28E-08	1YrCancerD	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	636806.2	4270272	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	636846.2	4270272	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	636886.2	4270272	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	636926.2	4270272	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	636966.2	4270272	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	637006.2	4270272	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

658	ALL	637046.2	4270272	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	637566.2	4270272	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	637606.2	4270272	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	637646.2	4270272	4.25E-08	1YrCancerD	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	637726.2	4270272	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	637766.2	4270272	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	637806.2	4270272	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	637846.2	4270272	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	637926.2	4270272	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	637966.2	4270272	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	638006.2	4270272	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	638046.2	4270272	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	638086.2	4270272	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	638126.2	4270272	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	638166.2	4270272	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	638206.2	4270272	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	638246.2	4270272	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	638286.2	4270272	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	638326.2	4270272	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	638366.2	4270272	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	638406.2	4270272	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	638446.2	4270272	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	638486.2	4270272	4.32E-08	1YrCancerD	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	638526.2	4270272	7.65E-08	1YrCancerD	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	635966.2	4270312	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	636006.2	4270312	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	636046.2	4270312	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	636086.2	4270312	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	636126.2	4270312	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	636166.2	4270312	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	636206.2	4270312	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	636286.2	4270312	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	636326.2	4270312	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	636366.2	4270312	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	636406.2	4270312	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	636446.2	4270312	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	636566.2	4270312	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	636606.2	4270312	6.12E-08	1YrCancerD	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	636646.2	4270312	1.20E-07	1YrCancerD	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	636686.2	4270312	5.23E-08	1YrCancerD	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	636726.2	4270312	3.75E-08	1YrCancerD	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	636766.2	4270312	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	636806.2	4270312	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	636846.2	4270312	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	636886.2	4270312	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	636926.2	4270312	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	636966.2	4270312	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	637006.2	4270312	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	637046.2	4270312	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	637086.2	4270312	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	637126.2	4270312	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	637166.2	4270312	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	637606.2	4270312	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	637646.2	4270312	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	637686.2	4270312	5.71E-08	1YrCancerD	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	637766.2	4270312	3.65E-08	1YrCancerD	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	637806.2	4270312	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	637846.2	4270312	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	637886.2	4270312	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	637966.2	4270312	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	638006.2	4270312	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	638046.2	4270312	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	638086.2	4270312	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	638126.2	4270312	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	638166.2	4270312	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	638206.2	4270312	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	638246.2	4270312	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	638286.2	4270312	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	638326.2	4270312	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	638366.2	4270312	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	638406.2	4270312	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	638446.2	4270312	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	638486.2	4270312	7.13E-08	1YrCancerD	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	638566.2	4270312	1.21E-07	1YrCancerD	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	635966.2	4270352	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	636006.2	4270352	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	636046.2	4270352	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	636086.2	4270352	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	636126.2	4270352	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	636166.2	4270352	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	636206.2	4270352	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	636286.2	4270352	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	636326.2	4270352	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	636366.2	4270352	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	636406.2	4270352	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	636446.2	4270352	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	636566.2	4270352	3.45E-08	1YrCancerD	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	636606.2	4270352	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	636646.2	4270352	5.38E-08	1YrCancerD	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	636686.2	4270352	3.55E-08	1YrCancerD	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	636726.2	4270352	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	636766.2	4270352	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	636806.2	4270352	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	636846.2	4270352	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

752	ALL	636886.2	4270352	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	636926.2	4270352	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	636966.2	4270352	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	637006.2	4270352	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	637046.2	4270352	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	637086.2	4270352	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	637126.2	4270352	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	637166.2	4270352	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	637206.2	4270352	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	637606.2	4270352	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	637646.2	4270352	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	637686.2	4270352	3.31E-08	1YrCancerD	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	637726.2	4270352	9.23E-08	1YrCancerD	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	637806.2	4270352	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	637846.2	4270352	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	637886.2	4270352	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	637926.2	4270352	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	637966.2	4270352	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	638046.2	4270352	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	638086.2	4270352	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	638126.2	4270352	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	638166.2	4270352	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	638206.2	4270352	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	638246.2	4270352	2.48E-08	1YrCancerD	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	638286.2	4270352	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	638326.2	4270352	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	638366.2	4270352	4.42E-08	1YrCancerD	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	638406.2	4270352	6.08E-08	1YrCancerD	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	638446.2	4270352	9.85E-08	1YrCancerD	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	638526.2	4270352	1.35E-07	1YrCancerD	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	638566.2	4270352	6.30E-08	1YrCancerD	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	635966.2	4270392	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	636006.2	4270392	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	636046.2	4270392	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	636086.2	4270392	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	636126.2	4270392	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	636166.2	4270392	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	636206.2	4270392	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	636526.2	4270392	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	636566.2	4270392	6.26E-08	1YrCancerD	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	636606.2	4270392	8.46E-08	1YrCancerD	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	636646.2	4270392	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	636686.2	4270392	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	636726.2	4270392	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	636766.2	4270392	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	636806.2	4270392	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	636846.2	4270392	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	636886.2	4270392	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	636926.2	4270392	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	636966.2	4270392	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	637006.2	4270392	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	637046.2	4270392	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	637086.2	4270392	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	637126.2	4270392	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	637166.2	4270392	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	637206.2	4270392	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	637606.2	4270392	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	637646.2	4270392	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	637686.2	4270392	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	637726.2	4270392	4.18E-08	1YrCancerD	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	637846.2	4270392	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	637886.2	4270392	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	637926.2	4270392	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	637966.2	4270392	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	638006.2	4270392	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	638086.2	4270392	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	638126.2	4270392	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	638166.2	4270392	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	638206.2	4270392	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	638246.2	4270392	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	638286.2	4270392	4.45E-08	1YrCancerD	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	638326.2	4270392	6.20E-08	1YrCancerD	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	638366.2	4270392	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	638486.2	4270392	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	638526.2	4270392	6.23E-08	1YrCancerD	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	638566.2	4270392	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	635966.2	4270432	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	636006.2	4270432	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	636046.2	4270432	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	636126.2	4270432	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	636166.2	4270432	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	636206.2	4270432	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	636286.2	4270432	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	636326.2	4270432	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	636366.2	4270432	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	636406.2	4270432	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	636446.2	4270432	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	636526.2	4270432	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	636606.2	4270432	5.83E-08	1YrCancerD	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	636646.2	4270432	3.37E-08	1YrCancerD	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	636686.2	4270432	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	636726.2	4270432	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	636766.2	4270432	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	636806.2	4270432	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

846	ALL	636846.2	4270432	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	636886.2	4270432	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	636926.2	4270432	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	636966.2	4270432	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	637006.2	4270432	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	637046.2	4270432	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	637086.2	4270432	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	637126.2	4270432	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	637166.2	4270432	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	637206.2	4270432	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	637606.2	4270432	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	637646.2	4270432	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	637686.2	4270432	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	637726.2	4270432	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	637766.2	4270432	6.09E-08	1YrCancerD	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	637886.2	4270432	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	637926.2	4270432	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	637966.2	4270432	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	638006.2	4270432	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	638046.2	4270432	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	638086.2	4270432	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	638166.2	4270432	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	638206.2	4270432	4.44E-08	1YrCancerD	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	638246.2	4270432	6.30E-08	1YrCancerD	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	638286.2	4270432	1.09E-07	1YrCancerD	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	638406.2	4270432	9.86E-08	1YrCancerD	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	638446.2	4270432	6.96E-08	1YrCancerD	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	638486.2	4270432	5.24E-08	1YrCancerD	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	638526.2	4270432	3.92E-08	1YrCancerD	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	638566.2	4270432	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	636006.2	4270472	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	636046.2	4270472	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	636086.2	4270472	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	636126.2	4270472	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	636166.2	4270472	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	636206.2	4270472	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	636526.2	4270472	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	636606.2	4270472	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	636646.2	4270472	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	636686.2	4270472	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	636726.2	4270472	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	636766.2	4270472	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	636806.2	4270472	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	636846.2	4270472	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	636886.2	4270472	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	636926.2	4270472	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	636966.2	4270472	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	637006.2	4270472	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	637046.2	4270472	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	637086.2	4270472	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	637126.2	4270472	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	637166.2	4270472	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	637206.2	4270472	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	637646.2	4270472	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	637686.2	4270472	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	637726.2	4270472	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	637766.2	4270472	3.52E-08	1YrCancerD	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	637886.2	4270472	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	637926.2	4270472	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	637966.2	4270472	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	638006.2	4270472	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	638046.2	4270472	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	638086.2	4270472	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	638126.2	4270472	3.50E-08	1YrCancerD	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	638166.2	4270472	5.91E-08	1YrCancerD	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	638326.2	4270472	9.39E-08	1YrCancerD	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	638366.2	4270472	6.63E-08	1YrCancerD	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	638406.2	4270472	5.17E-08	1YrCancerD	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	638446.2	4270472	4.24E-08	1YrCancerD	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	638486.2	4270472	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	638526.2	4270472	2.84E-08	1YrCancerD	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	638566.2	4270472	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	635966.2	4270512	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	636006.2	4270512	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	636046.2	4270512	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	636086.2	4270512	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	636126.2	4270512	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	636166.2	4270512	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	636206.2	4270512	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	636286.2	4270512	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	636326.2	4270512	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	636366.2	4270512	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	636406.2	4270512	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	636526.2	4270512	3.50E-08	1YrCancerD	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	636566.2	4270512	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	636606.2	4270512	4.74E-08	1YrCancerD	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	636646.2	4270512	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	636686.2	4270512	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	636726.2	4270512	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	636766.2	4270512	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	636806.2	4270512	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	636846.2	4270512	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	636886.2	4270512	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	636926.2	4270512	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

940	ALL	636966.2	4270512	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	637006.2	4270512	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	637046.2	4270512	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	637086.2	4270512	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	637126.2	4270512	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	637166.2	4270512	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	637206.2	4270512	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	637646.2	4270512	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	637686.2	4270512	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	637726.2	4270512	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	637766.2	4270512	2.55E-08	1YrCancerD	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	637806.2	4270512	4.87E-08	1YrCancerD	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	637926.2	4270512	2.60E-08	1YrCancerD	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	637966.2	4270512	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	638006.2	4270512	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	638046.2	4270512	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	638086.2	4270512	3.42E-08	1YrCancerD	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	638126.2	4270512	6.91E-08	1YrCancerD	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	638286.2	4270512	6.49E-08	1YrCancerD	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	638326.2	4270512	5.04E-08	1YrCancerD	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	638366.2	4270512	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	638406.2	4270512	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	638446.2	4270512	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	638486.2	4270512	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	638526.2	4270512	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	638566.2	4270512	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	634406.2	4270552	4.03E-09	1YrCancerD	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	635966.2	4270552	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	636046.2	4270552	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	636086.2	4270552	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	636126.2	4270552	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	636166.2	4270552	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	636206.2	4270552	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	636486.2	4270552	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	636526.2	4270552	3.38E-08	1YrCancerD	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	636606.2	4270552	5.03E-08	1YrCancerD	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	636646.2	4270552	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	636686.2	4270552	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	636726.2	4270552	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	636766.2	4270552	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	636806.2	4270552	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	636846.2	4270552	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	636886.2	4270552	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	636926.2	4270552	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	636966.2	4270552	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	637006.2	4270552	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	637046.2	4270552	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	637086.2	4270552	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	637126.2	4270552	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	637166.2	4270552	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	637206.2	4270552	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	637646.2	4270552	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	637686.2	4270552	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	637726.2	4270552	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	637766.2	4270552	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	637806.2	4270552	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	637846.2	4270552	8.09E-08	1YrCancerD	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	638046.2	4270552	3.13E-08	1YrCancerD	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	638086.2	4270552	6.20E-08	1YrCancerD	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	638326.2	4270552	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	638366.2	4270552	3.05E-08	1YrCancerD	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	638406.2	4270552	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	638446.2	4270552	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	638486.2	4270552	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	638526.2	4270552	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	638566.2	4270552	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	635966.2	4270592	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	636006.2	4270592	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	636046.2	4270592	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	636126.2	4270592	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	636166.2	4270592	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	636206.2	4270592	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	636286.2	4270592	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	636326.2	4270592	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	636366.2	4270592	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	636406.2	4270592	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	636486.2	4270592	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	636526.2	4270592	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	636606.2	4270592	5.94E-08	1YrCancerD	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	636646.2	4270592	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	636686.2	4270592	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	636726.2	4270592	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	636766.2	4270592	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	636806.2	4270592	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	636846.2	4270592	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	636886.2	4270592	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	636926.2	4270592	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	636966.2	4270592	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	637006.2	4270592	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	637046.2	4270592	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	637086.2	4270592	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	637126.2	4270592	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	637166.2	4270592	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	637206.2	4270592	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1034	ALL	637246.2	4270592	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	637646.2	4270592	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	637686.2	4270592	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	637726.2	4270592	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	637766.2	4270592	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	637806.2	4270592	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	637846.2	4270592	4.03E-08	1YrCancerD	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	638326.2	4270592	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	638366.2	4270592	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	638406.2	4270592	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	638446.2	4270592	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	638486.2	4270592	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	638526.2	4270592	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	638566.2	4270592	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	635966.2	4270632	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	636006.2	4270632	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	636046.2	4270632	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	636486.2	4270632	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	636526.2	4270632	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	636566.2	4270632	6.41E-08	1YrCancerD	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	636606.2	4270632	8.83E-08	1YrCancerD	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	636646.2	4270632	3.81E-08	1YrCancerD	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	636686.2	4270632	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	636726.2	4270632	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	636766.2	4270632	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	636806.2	4270632	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	636846.2	4270632	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	636886.2	4270632	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	636926.2	4270632	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	636966.2	4270632	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	637006.2	4270632	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	637046.2	4270632	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	637086.2	4270632	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	637126.2	4270632	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	637166.2	4270632	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	637206.2	4270632	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	637246.2	4270632	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	637686.2	4270632	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	637726.2	4270632	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	637766.2	4270632	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	637806.2	4270632	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	637846.2	4270632	2.73E-08	1YrCancerD	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	637886.2	4270632	5.11E-08	1YrCancerD	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	638366.2	4270632	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	638406.2	4270632	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	638446.2	4270632	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	638486.2	4270632	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	638526.2	4270632	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	638566.2	4270632	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	635966.2	4270672	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	636006.2	4270672	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	636046.2	4270672	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	636126.2	4270672	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	636166.2	4270672	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	636206.2	4270672	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	636246.2	4270672	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	636486.2	4270672	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	636526.2	4270672	2.37E-08	1YrCancerD	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	636566.2	4270672	4.03E-08	1YrCancerD	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	636646.2	4270672	5.37E-08	1YrCancerD	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	636686.2	4270672	3.23E-08	1YrCancerD	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	636726.2	4270672	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	636766.2	4270672	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	636806.2	4270672	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	636846.2	4270672	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	636886.2	4270672	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	636926.2	4270672	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	636966.2	4270672	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	637006.2	4270672	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	637046.2	4270672	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	637086.2	4270672	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	637126.2	4270672	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	637166.2	4270672	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	637206.2	4270672	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	637246.2	4270672	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	637686.2	4270672	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	637726.2	4270672	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	637766.2	4270672	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	637806.2	4270672	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	637846.2	4270672	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	637886.2	4270672	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	637926.2	4270672	6.10E-08	1YrCancerD	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	638446.2	4270672	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	638486.2	4270672	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	638526.2	4270672	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	638566.2	4270672	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	635966.2	4270712	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	636006.2	4270712	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	636046.2	4270712	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	636126.2	4270712	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	636166.2	4270712	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	636206.2	4270712	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	636246.2	4270712	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	636486.2	4270712	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1128	ALL	636526.2	4270712	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	636566.2	4270712	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	636606.2	4270712	6.11E-08	1YrCancerD	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	636686.2	4270712	4.61E-08	1YrCancerD	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	636726.2	4270712	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	636766.2	4270712	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	636806.2	4270712	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	636846.2	4270712	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	636886.2	4270712	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	636926.2	4270712	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	636966.2	4270712	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	637006.2	4270712	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	637046.2	4270712	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	637086.2	4270712	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	637126.2	4270712	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	637166.2	4270712	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	637206.2	4270712	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	637246.2	4270712	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	637686.2	4270712	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	637726.2	4270712	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	637766.2	4270712	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	637806.2	4270712	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	637846.2	4270712	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	638446.2	4270712	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	638486.2	4270712	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	638526.2	4270712	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	638566.2	4270712	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	635366.2	4270752	9.70E-09	1YrCancerD	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	635406.2	4270752	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	635446.2	4270752	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	635486.2	4270752	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	635526.2	4270752	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	635566.2	4270752	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	635606.2	4270752	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	635646.2	4270752	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	635686.2	4270752	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	635726.2	4270752	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	635766.2	4270752	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	635806.2	4270752	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	635846.2	4270752	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	635926.2	4270752	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	635966.2	4270752	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	636006.2	4270752	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	636046.2	4270752	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	636126.2	4270752	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	636166.2	4270752	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	636206.2	4270752	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	636246.2	4270752	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	636446.2	4270752	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	636486.2	4270752	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	636526.2	4270752	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	636566.2	4270752	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	636606.2	4270752	3.45E-08	1YrCancerD	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	636646.2	4270752	7.40E-08	1YrCancerD	7.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	636686.2	4270752	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	636726.2	4270752	4.14E-08	1YrCancerD	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	636766.2	4270752	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	636806.2	4270752	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	636846.2	4270752	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	636886.2	4270752	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	636926.2	4270752	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	636966.2	4270752	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	637006.2	4270752	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	637046.2	4270752	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	637086.2	4270752	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	637126.2	4270752	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	637166.2	4270752	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	637206.2	4270752	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	637246.2	4270752	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	635246.2	4270792	9.21E-09	1YrCancerD	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	635286.2	4270792	9.53E-09	1YrCancerD	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	635326.2	4270792	9.87E-09	1YrCancerD	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	635366.2	4270792	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	635406.2	4270792	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	635446.2	4270792	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	635486.2	4270792	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	635526.2	4270792	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	635566.2	4270792	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	635606.2	4270792	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	635646.2	4270792	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	635686.2	4270792	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	635726.2	4270792	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	635806.2	4270792	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	635846.2	4270792	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	635886.2	4270792	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	635926.2	4270792	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	635966.2	4270792	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	636006.2	4270792	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	636126.2	4270792	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	636166.2	4270792	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	636206.2	4270792	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	636446.2	4270792	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	636486.2	4270792	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	636526.2	4270792	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1222	ALL	636566.2	4270792	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	636606.2	4270792	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	636646.2	4270792	3.83E-08	1YrCancerD	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	636686.2	4270792	8.85E-08	1YrCancerD	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	636726.2	4270792	8.77E-08	1YrCancerD	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	636766.2	4270792	3.73E-08	1YrCancerD	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	636806.2	4270792	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	636846.2	4270792	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	636886.2	4270792	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	636926.2	4270792	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	636966.2	4270792	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	637006.2	4270792	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	637046.2	4270792	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	637086.2	4270792	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	637126.2	4270792	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	637166.2	4270792	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	637206.2	4270792	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	637246.2	4270792	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	638086.2	4270792	2.76E-08	1YrCancerD	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	638126.2	4270792	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	638166.2	4270792	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	638206.2	4270792	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	638246.2	4270792	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	638286.2	4270792	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	638326.2	4270792	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	638366.2	4270792	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	638406.2	4270792	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	638446.2	4270792	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	638486.2	4270792	9.88E-09	1YrCancerD	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	638526.2	4270792	9.29E-09	1YrCancerD	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	638566.2	4270792	8.77E-09	1YrCancerD	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	635126.2	4270832	8.78E-09	1YrCancerD	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	635166.2	4270832	9.06E-09	1YrCancerD	9.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	635206.2	4270832	9.36E-09	1YrCancerD	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	635246.2	4270832	9.69E-09	1YrCancerD	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	635286.2	4270832	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	635326.2	4270832	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	635366.2	4270832	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	635406.2	4270832	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	635446.2	4270832	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	635486.2	4270832	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	635526.2	4270832	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	635566.2	4270832	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	635606.2	4270832	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	635686.2	4270832	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	635726.2	4270832	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	635766.2	4270832	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	635806.2	4270832	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	635846.2	4270832	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	635886.2	4270832	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	635966.2	4270832	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	636006.2	4270832	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	636046.2	4270832	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	636086.2	4270832	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	636126.2	4270832	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	636166.2	4270832	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	636206.2	4270832	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	636446.2	4270832	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	636486.2	4270832	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	636526.2	4270832	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	636566.2	4270832	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	636606.2	4270832	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	636646.2	4270832	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	636686.2	4270832	4.19E-08	1YrCancerD	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	636766.2	4270832	6.94E-08	1YrCancerD	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	636806.2	4270832	3.41E-08	1YrCancerD	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	636846.2	4270832	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	636886.2	4270832	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	636926.2	4270832	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	636966.2	4270832	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	637006.2	4270832	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	637046.2	4270832	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	637086.2	4270832	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	637126.2	4270832	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	637166.2	4270832	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	637206.2	4270832	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	637246.2	4270832	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	637286.2	4270832	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	638086.2	4270832	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	638126.2	4270832	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	638166.2	4270832	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	638206.2	4270832	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	638246.2	4270832	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	638286.2	4270832	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	638326.2	4270832	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	638366.2	4270832	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	638406.2	4270832	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	638446.2	4270832	9.72E-09	1YrCancerD	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	638486.2	4270832	9.15E-09	1YrCancerD	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	638526.2	4270832	8.65E-09	1YrCancerD	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	638566.2	4270832	8.20E-09	1YrCancerD	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	635126.2	4270872	9.21E-09	1YrCancerD	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	635166.2	4270872	9.52E-09	1YrCancerD	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	635206.2	4270872	9.86E-09	1YrCancerD	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1316	ALL	635246.2	4270872	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	635286.2	4270872	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	635326.2	4270872	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1319	ALL	635366.2	4270872	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	635406.2	4270872	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	635446.2	4270872	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	635486.2	4270872	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	635526.2	4270872	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	635566.2	4270872	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	635646.2	4270872	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	635686.2	4270872	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	635726.2	4270872	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	635766.2	4270872	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	635846.2	4270872	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	635886.2	4270872	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	635926.2	4270872	1.88E-08	1YrCancerD	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	635966.2	4270872	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	636006.2	4270872	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	636046.2	4270872	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	636086.2	4270872	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	636126.2	4270872	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	636166.2	4270872	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	636206.2	4270872	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	636246.2	4270872	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	636286.2	4270872	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	636406.2	4270872	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	636446.2	4270872	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	636486.2	4270872	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	636526.2	4270872	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	636566.2	4270872	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	636606.2	4270872	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	636646.2	4270872	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	636686.2	4270872	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	636726.2	4270872	4.68E-08	1YrCancerD	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	636806.2	4270872	5.73E-08	1YrCancerD	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	636846.2	4270872	3.14E-08	1YrCancerD	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	636886.2	4270872	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	636926.2	4270872	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	636966.2	4270872	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	637006.2	4270872	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	637046.2	4270872	1.40E-08	1YrCancerD	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	637086.2	4270872	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	637126.2	4270872	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	637166.2	4270872	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	637206.2	4270872	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	637246.2	4270872	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	637286.2	4270872	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1363	ALL	638086.2	4270872	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	638126.2	4270872	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	638166.2	4270872	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	638206.2	4270872	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	638246.2	4270872	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	638286.2	4270872	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	638326.2	4270872	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	638366.2	4270872	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	638406.2	4270872	9.60E-09	1YrCancerD	9.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	638446.2	4270872	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	638486.2	4270872	8.54E-09	1YrCancerD	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	638526.2	4270872	8.10E-09	1YrCancerD	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	638566.2	4270872	7.71E-09	1YrCancerD	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	635166.2	4270912	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	635206.2	4270912	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	635246.2	4270912	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	635286.2	4270912	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	635326.2	4270912	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	635366.2	4270912	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	635406.2	4270912	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	635446.2	4270912	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	635486.2	4270912	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	635526.2	4270912	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	635766.2	4270912	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	635846.2	4270912	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	635886.2	4270912	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	635926.2	4270912	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	635966.2	4270912	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	636006.2	4270912	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	636046.2	4270912	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	636086.2	4270912	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	636166.2	4270912	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	636206.2	4270912	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	636246.2	4270912	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	636286.2	4270912	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	636406.2	4270912	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	636446.2	4270912	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	636486.2	4270912	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	636526.2	4270912	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	636566.2	4270912	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	636606.2	4270912	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	636646.2	4270912	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	636686.2	4270912	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	636726.2	4270912	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1407	ALL	636766.2	4270912	5.36E-08	1YrCancerD	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	636846.2	4270912	4.90E-08	1YrCancerD	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	636886.2	4270912	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1410	ALL	636926.2	4270912	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	636966.2	4270912	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	637006.2	4270912	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	637046.2	4270912	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	637086.2	4270912	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	637126.2	4270912	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	637166.2	4270912	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	637206.2	4270912	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	637246.2	4270912	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	637286.2	4270912	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	638086.2	4270912	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	638126.2	4270912	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	638166.2	4270912	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	638206.2	4270912	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	638246.2	4270912	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	638286.2	4270912	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	638326.2	4270912	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	638366.2	4270912	9.52E-09	1YrCancerD	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	638406.2	4270912	8.95E-09	1YrCancerD	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	638446.2	4270912	8.46E-09	1YrCancerD	8.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	638486.2	4270912	8.02E-09	1YrCancerD	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	638526.2	4270912	7.64E-09	1YrCancerD	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	638566.2	4270912	7.29E-09	1YrCancerD	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	635166.2	4270952	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	635206.2	4270952	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	635246.2	4270952	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	635286.2	4270952	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	635326.2	4270952	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	635366.2	4270952	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	635406.2	4270952	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	635446.2	4270952	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	635486.2	4270952	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	635686.2	4270952	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	635726.2	4270952	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	635766.2	4270952	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	635846.2	4270952	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	635886.2	4270952	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	635926.2	4270952	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	635966.2	4270952	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	636006.2	4270952	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	636046.2	4270952	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1451	ALL	636086.2	4270952	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	636126.2	4270952	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	636166.2	4270952	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	636206.2	4270952	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	636246.2	4270952	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	636366.2	4270952	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	636406.2	4270952	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	636446.2	4270952	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	636486.2	4270952	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	636526.2	4270952	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	636566.2	4270952	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	636606.2	4270952	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	636646.2	4270952	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	636686.2	4270952	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	636726.2	4270952	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	636766.2	4270952	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	636806.2	4270952	6.32E-08	1YrCancerD	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	636886.2	4270952	4.32E-08	1YrCancerD	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	636926.2	4270952	2.75E-08	1YrCancerD	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	636966.2	4270952	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	637006.2	4270952	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	637046.2	4270952	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	637086.2	4270952	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	637126.2	4270952	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	637166.2	4270952	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	637206.2	4270952	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	637246.2	4270952	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	637286.2	4270952	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	638086.2	4270952	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	638126.2	4270952	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	638166.2	4270952	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	638206.2	4270952	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	638246.2	4270952	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	638286.2	4270952	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	638326.2	4270952	9.49E-09	1YrCancerD	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	638366.2	4270952	8.92E-09	1YrCancerD	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	638406.2	4270952	8.41E-09	1YrCancerD	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	638446.2	4270952	7.97E-09	1YrCancerD	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	638486.2	4270952	7.58E-09	1YrCancerD	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	638526.2	4270952	7.23E-09	1YrCancerD	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	638566.2	4270952	6.92E-09	1YrCancerD	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	634846.2	4270992	8.33E-09	1YrCancerD	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	634886.2	4270992	8.68E-09	1YrCancerD	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	634926.2	4270992	9.02E-09	1YrCancerD	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1495	ALL	634966.2	4270992	9.35E-09	1YrCancerD	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	635166.2	4270992	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	635206.2	4270992	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	635246.2	4270992	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	635286.2	4270992	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	635326.2	4270992	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	635366.2	4270992	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	635406.2	4270992	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	635446.2	4270992	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1504	ALL	635486.2	4270992	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	635526.2	4270992	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	635646.2	4270992	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	635686.2	4270992	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	635726.2	4270992	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	635766.2	4270992	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	635806.2	4270992	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	635846.2	4270992	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	635886.2	4270992	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	635926.2	4270992	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	635966.2	4270992	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	636006.2	4270992	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	636046.2	4270992	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	636086.2	4270992	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	636126.2	4270992	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1519	ALL	636206.2	4270992	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	636246.2	4270992	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	636366.2	4270992	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	636406.2	4270992	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	636446.2	4270992	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	636486.2	4270992	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	636526.2	4270992	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	636566.2	4270992	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	636606.2	4270992	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	636646.2	4270992	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1529	ALL	636686.2	4270992	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	636726.2	4270992	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	636766.2	4270992	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	636806.2	4270992	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	636846.2	4270992	7.71E-08	1YrCancerD	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	636886.2	4270992	1.04E-07	1YrCancerD	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	636926.2	4270992	3.91E-08	1YrCancerD	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	636966.2	4270992	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	637006.2	4270992	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	637046.2	4270992	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1539	ALL	637086.2	4270992	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	637126.2	4270992	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	637166.2	4270992	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	637206.2	4270992	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	637246.2	4270992	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	637286.2	4270992	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	638086.2	4270992	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	638126.2	4270992	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	638166.2	4270992	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	638206.2	4270992	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1549	ALL	638246.2	4270992	9.96E-09	1YrCancerD	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	638286.2	4270992	9.41E-09	1YrCancerD	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	638326.2	4270992	8.88E-09	1YrCancerD	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	638366.2	4270992	8.39E-09	1YrCancerD	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	638406.2	4270992	7.94E-09	1YrCancerD	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	638446.2	4270992	7.55E-09	1YrCancerD	7.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	638486.2	4270992	7.20E-09	1YrCancerD	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	638526.2	4270992	6.88E-09	1YrCancerD	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	638566.2	4270992	6.59E-09	1YrCancerD	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	634806.2	4271032	8.30E-09	1YrCancerD	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	634846.2	4271032	8.68E-09	1YrCancerD	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	634886.2	4271032	9.06E-09	1YrCancerD	9.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	634926.2	4271032	9.44E-09	1YrCancerD	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	634966.2	4271032	9.81E-09	1YrCancerD	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	635006.2	4271032	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	635046.2	4271032	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	635086.2	4271032	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	635166.2	4271032	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	635206.2	4271032	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	635246.2	4271032	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	635286.2	4271032	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	635326.2	4271032	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	635366.2	4271032	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1572	ALL	635406.2	4271032	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	635446.2	4271032	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1574	ALL	635486.2	4271032	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	635526.2	4271032	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	635566.2	4271032	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	635606.2	4271032	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	635646.2	4271032	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	635686.2	4271032	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	635726.2	4271032	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	635766.2	4271032	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	635806.2	4271032	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1583	ALL	635846.2	4271032	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584	ALL	635886.2	4271032	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585	ALL	635926.2	4271032	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586	ALL	635966.2	4271032	2.13E-08	1YrCancerD	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587	ALL	636006.2	4271032	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588	ALL	636046.2	4271032	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589	ALL	636126.2	4271032	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590	ALL	636166.2	4271032	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591	ALL	636206.2	4271032	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592	ALL	636326.2	4271032	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593	ALL	636366.2	4271032	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594	ALL	636406.2	4271032	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595	ALL	636446.2	4271032	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596	ALL	636486.2	4271032	1.47E-08	1YrCancerD	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597	ALL	636526.2	4271032	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1598	ALL	636566.2	4271032	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1599	ALL	636606.2	4271032	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600	ALL	636646.2	4271032	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601	ALL	636686.2	4271032	1.72E-08	1YrCancerD	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602	ALL	636726.2	4271032	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603	ALL	636766.2	4271032	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604	ALL	636806.2	4271032	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1605	ALL	636846.2	4271032	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606	ALL	636886.2	4271032	9.68E-08	1YrCancerD	9.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607	ALL	636926.2	4271032	8.05E-08	1YrCancerD	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608	ALL	636966.2	4271032	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609	ALL	637006.2	4271032	2.50E-08	1YrCancerD	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610	ALL	637046.2	4271032	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611	ALL	637086.2	4271032	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612	ALL	637126.2	4271032	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613	ALL	637166.2	4271032	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614	ALL	637206.2	4271032	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615	ALL	637246.2	4271032	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616	ALL	637286.2	4271032	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617	ALL	637846.2	4271032	9.18E-09	1YrCancerD	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618	ALL	637886.2	4271032	9.48E-09	1YrCancerD	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1619	ALL	637926.2	4271032	9.70E-09	1YrCancerD	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620	ALL	637966.2	4271032	9.83E-09	1YrCancerD	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621	ALL	638086.2	4271032	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622	ALL	638126.2	4271032	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623	ALL	638166.2	4271032	9.89E-09	1YrCancerD	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624	ALL	638206.2	4271032	9.62E-09	1YrCancerD	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625	ALL	638246.2	4271032	9.23E-09	1YrCancerD	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626	ALL	638286.2	4271032	8.79E-09	1YrCancerD	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1627	ALL	638326.2	4271032	8.34E-09	1YrCancerD	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	638366.2	4271032	7.91E-09	1YrCancerD	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	638406.2	4271032	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	638446.2	4271032	7.18E-09	1YrCancerD	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	638486.2	4271032	6.86E-09	1YrCancerD	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	638526.2	4271032	6.57E-09	1YrCancerD	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1633	ALL	638566.2	4271032	6.30E-09	1YrCancerD	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	634766.2	4271072	8.24E-09	1YrCancerD	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	634806.2	4271072	8.65E-09	1YrCancerD	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	634846.2	4271072	9.06E-09	1YrCancerD	9.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	634886.2	4271072	9.48E-09	1YrCancerD	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	634926.2	4271072	9.90E-09	1YrCancerD	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	634966.2	4271072	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	635006.2	4271072	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	635046.2	4271072	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	635086.2	4271072	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	635126.2	4271072	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	635166.2	4271072	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	635206.2	4271072	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	635246.2	4271072	1.38E-08	1YrCancerD	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	635286.2	4271072	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	635326.2	4271072	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1649	ALL	635366.2	4271072	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	635406.2	4271072	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	635446.2	4271072	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	635486.2	4271072	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	635526.2	4271072	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	635566.2	4271072	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	635606.2	4271072	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	635646.2	4271072	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	635686.2	4271072	2.51E-08	1YrCancerD	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	635726.2	4271072	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	635806.2	4271072	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	635886.2	4271072	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	635926.2	4271072	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	635966.2	4271072	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	636046.2	4271072	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1664	ALL	636086.2	4271072	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	636126.2	4271072	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	636166.2	4271072	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	636286.2	4271072	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	636326.2	4271072	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	636366.2	4271072	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	636406.2	4271072	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1671	ALL	636446.2	4271072	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	636486.2	4271072	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	636526.2	4271072	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	636566.2	4271072	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	636606.2	4271072	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	636646.2	4271072	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	636686.2	4271072	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	636726.2	4271072	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	636766.2	4271072	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	636806.2	4271072	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	636846.2	4271072	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	636886.2	4271072	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	636966.2	4271072	6.75E-08	1YrCancerD	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	637006.2	4271072	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	637046.2	4271072	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	637086.2	4271072	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	637126.2	4271072	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	637166.2	4271072	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	637206.2	4271072	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	637246.2	4271072	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	637286.2	4271072	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1692	ALL	637846.2	4271072	8.73E-09	1YrCancerD	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	637886.2	4271072	8.91E-09	1YrCancerD	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	637926.2	4271072	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	637966.2	4271072	9.10E-09	1YrCancerD	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	638086.2	4271072	9.21E-09	1YrCancerD	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	638126.2	4271072	9.18E-09	1YrCancerD	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	638166.2	4271072	9.07E-09	1YrCancerD	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1699	ALL	638206.2	4271072	8.88E-09	1YrCancerD	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	638246.2	4271072	8.59E-09	1YrCancerD	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	638286.2	4271072	8.23E-09	1YrCancerD	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	638326.2	4271072	7.86E-09	1YrCancerD	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	638366.2	4271072	7.49E-09	1YrCancerD	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	638406.2	4271072	7.15E-09	1YrCancerD	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	638446.2	4271072	6.84E-09	1YrCancerD	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	638486.2	4271072	6.56E-09	1YrCancerD	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	638526.2	4271072	6.29E-09	1YrCancerD	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	638566.2	4271072	6.05E-09	1YrCancerD	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1709	ALL	634726.2	4271112	8.17E-09	1YrCancerD	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	634766.2	4271112	8.58E-09	1YrCancerD	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	634806.2	4271112	9.01E-09	1YrCancerD	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1712	ALL	634846.2	4271112	9.47E-09	1YrCancerD	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	634886.2	4271112	9.93E-09	1YrCancerD	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	634926.2	4271112	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1715	ALL	634966.2	4271112	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	635006.2	4271112	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	635046.2	4271112	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	635086.2	4271112	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	635126.2	4271112	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	635166.2	4271112	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	635246.2	4271112	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	635286.2	4271112	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	635326.2	4271112	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	635366.2	4271112	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	635406.2	4271112	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	635446.2	4271112	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	635486.2	4271112	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	635526.2	4271112	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	635566.2	4271112	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	635606.2	4271112	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	635646.2	4271112	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	635686.2	4271112	2.73E-08	1YrCancerD	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	635726.2	4271112	2.79E-08	1YrCancerD	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	635766.2	4271112	2.81E-08	1YrCancerD	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1735	ALL	635806.2	4271112	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	635846.2	4271112	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	635886.2	4271112	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	635926.2	4271112	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	636006.2	4271112	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	636046.2	4271112	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	636086.2	4271112	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	636126.2	4271112	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	636246.2	4271112	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	636286.2	4271112	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	636326.2	4271112	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	636366.2	4271112	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	636406.2	4271112	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	636446.2	4271112	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1749	ALL	636486.2	4271112	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	636526.2	4271112	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	636566.2	4271112	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	636606.2	4271112	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	636646.2	4271112	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1754	ALL	636686.2	4271112	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	636726.2	4271112	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	636766.2	4271112	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	636806.2	4271112	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	636846.2	4271112	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1759	ALL	636886.2	4271112	3.01E-08	1YrCancerD	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	636926.2	4271112	4.78E-08	1YrCancerD	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	637006.2	4271112	6.01E-08	1YrCancerD	6.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	637046.2	4271112	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	637086.2	4271112	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	637126.2	4271112	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	637166.2	4271112	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	637206.2	4271112	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	637246.2	4271112	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	637286.2	4271112	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	637886.2	4271112	8.42E-09	1YrCancerD	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	637926.2	4271112	8.48E-09	1YrCancerD	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	637966.2	4271112	8.50E-09	1YrCancerD	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	638086.2	4271112	8.53E-09	1YrCancerD	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	638126.2	4271112	8.49E-09	1YrCancerD	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	638166.2	4271112	8.39E-09	1YrCancerD	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	638206.2	4271112	8.23E-09	1YrCancerD	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	638246.2	4271112	8.01E-09	1YrCancerD	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	638286.2	4271112	7.73E-09	1YrCancerD	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	638326.2	4271112	7.42E-09	1YrCancerD	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	638366.2	4271112	7.11E-09	1YrCancerD	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1780	ALL	638406.2	4271112	6.81E-09	1YrCancerD	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	638446.2	4271112	6.54E-09	1YrCancerD	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	638486.2	4271112	6.28E-09	1YrCancerD	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	638526.2	4271112	6.04E-09	1YrCancerD	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	638566.2	4271112	5.81E-09	1YrCancerD	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	634726.2	4271152	8.49E-09	1YrCancerD	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1786	ALL	634766.2	4271152	8.94E-09	1YrCancerD	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	634806.2	4271152	9.41E-09	1YrCancerD	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	634846.2	4271152	9.91E-09	1YrCancerD	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	634886.2	4271152	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	634926.2	4271152	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	634966.2	4271152	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	635006.2	4271152	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	635046.2	4271152	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	635086.2	4271152	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	635126.2	4271152	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	635166.2	4271152	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	635286.2	4271152	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	635326.2	4271152	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	ALL	635366.2	4271152	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	635406.2	4271152	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	635446.2	4271152	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	635486.2	4271152	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	ALL	635526.2	4271152	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	635566.2	4271152	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	635606.2	4271152	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	635646.2	4271152	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	635686.2	4271152	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	635726.2	4271152	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	635766.2	4271152	3.03E-08	1YrCancerD	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	635806.2	4271152	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	635846.2	4271152	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	635886.2	4271152	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	635926.2	4271152	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	635966.2	4271152	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	636006.2	4271152	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	636046.2	4271152	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	636206.2	4271152	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	636246.2	4271152	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	ALL	636286.2	4271152	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	636326.2	4271152	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	636366.2	4271152	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1822	ALL	636406.2	4271152	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	636446.2	4271152	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	636486.2	4271152	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	636526.2	4271152	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	636566.2	4271152	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	636606.2	4271152	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	636646.2	4271152	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	636686.2	4271152	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	636726.2	4271152	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	636766.2	4271152	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	636806.2	4271152	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	636846.2	4271152	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	636886.2	4271152	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	636926.2	4271152	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	636966.2	4271152	5.21E-08	1YrCancerD	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	637046.2	4271152	4.82E-08	1YrCancerD	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	637086.2	4271152	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1839	ALL	637126.2	4271152	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	637166.2	4271152	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	637206.2	4271152	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	637246.2	4271152	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	637286.2	4271152	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	ALL	637886.2	4271152	8.00E-09	1YrCancerD	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	637926.2	4271152	8.01E-09	1YrCancerD	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	637966.2	4271152	8.01E-09	1YrCancerD	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	ALL	634686.2	4271192	8.38E-09	1YrCancerD	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	634726.2	4271192	8.83E-09	1YrCancerD	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	ALL	634766.2	4271192	9.32E-09	1YrCancerD	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	634806.2	4271192	9.84E-09	1YrCancerD	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	634846.2	4271192	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	634886.2	4271192	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	634926.2	4271192	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	634966.2	4271192	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	635006.2	4271192	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	635046.2	4271192	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	635086.2	4271192	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	635126.2	4271192	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	635166.2	4271192	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	635246.2	4271192	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	635326.2	4271192	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	635366.2	4271192	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	635406.2	4271192	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	635446.2	4271192	2.42E-08	1YrCancerD	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	635486.2	4271192	2.58E-08	1YrCancerD	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	635526.2	4271192	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	635566.2	4271192	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	635606.2	4271192	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	635646.2	4271192	3.17E-08	1YrCancerD	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	635686.2	4271192	3.26E-08	1YrCancerD	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	635726.2	4271192	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	635766.2	4271192	3.27E-08	1YrCancerD	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	635846.2	4271192	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	635926.2	4271192	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	635966.2	4271192	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	636006.2	4271192	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	636166.2	4271192	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	636206.2	4271192	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	636246.2	4271192	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1880	ALL	636286.2	4271192	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	636326.2	4271192	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	636366.2	4271192	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	636406.2	4271192	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	636446.2	4271192	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	636486.2	4271192	1.62E-08	1YrCancerD	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	636526.2	4271192	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	636566.2	4271192	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	636606.2	4271192	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	ALL	636646.2	4271192	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	636686.2	4271192	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	ALL	636726.2	4271192	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	636766.2	4271192	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1893	ALL	636806.2	4271192	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	636846.2	4271192	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	636886.2	4271192	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	636926.2	4271192	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	636966.2	4271192	3.40E-08	1YrCancerD	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	637006.2	4271192	6.50E-08	1YrCancerD	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	ALL	637046.2	4271192	9.89E-08	1YrCancerD	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	637086.2	4271192	4.25E-08	1YrCancerD	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	637206.2	4271192	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	637246.2	4271192	1.42E-08	1YrCancerD	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	637806.2	4271192	7.58E-09	1YrCancerD	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	637846.2	4271192	7.62E-09	1YrCancerD	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	637886.2	4271192	7.62E-09	1YrCancerD	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	637926.2	4271192	7.61E-09	1YrCancerD	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	637966.2	4271192	7.59E-09	1YrCancerD	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	638086.2	4271192	7.49E-09	1YrCancerD	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	638126.2	4271192	7.42E-09	1YrCancerD	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	638166.2	4271192	7.33E-09	1YrCancerD	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	638206.2	4271192	7.21E-09	1YrCancerD	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	638246.2	4271192	7.06E-09	1YrCancerD	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	638286.2	4271192	6.88E-09	1YrCancerD	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	638326.2	4271192	6.67E-09	1YrCancerD	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	638366.2	4271192	6.45E-09	1YrCancerD	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	638406.2	4271192	6.22E-09	1YrCancerD	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	634646.2	4271232	8.26E-09	1YrCancerD	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	634686.2	4271232	8.71E-09	1YrCancerD	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1919	ALL	634726.2	4271232	9.20E-09	1YrCancerD	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	634766.2	4271232	9.72E-09	1YrCancerD	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	634806.2	4271232	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	634846.2	4271232	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	634886.2	4271232	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	634926.2	4271232	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	634966.2	4271232	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	ALL	635006.2	4271232	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	635046.2	4271232	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	635086.2	4271232	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	635126.2	4271232	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	635206.2	4271232	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	635246.2	4271232	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	635366.2	4271232	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	635406.2	4271232	2.50E-08	1YrCancerD	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	ALL	635446.2	4271232	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	ALL	635486.2	4271232	2.86E-08	1YrCancerD	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	635526.2	4271232	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	635566.2	4271232	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	635606.2	4271232	3.37E-08	1YrCancerD	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	635646.2	4271232	3.50E-08	1YrCancerD	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	635686.2	4271232	3.59E-08	1YrCancerD	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	635726.2	4271232	3.60E-08	1YrCancerD	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1942	ALL	635766.2	4271232	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	635806.2	4271232	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	635846.2	4271232	3.20E-08	1YrCancerD	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	635886.2	4271232	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	635926.2	4271232	2.78E-08	1YrCancerD	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	636126.2	4271232	2.10E-08	1YrCancerD	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	636166.2	4271232	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	ALL	636206.2	4271232	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	ALL	636246.2	4271232	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	ALL	636286.2	4271232	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	ALL	636326.2	4271232	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	ALL	636366.2	4271232	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	ALL	636406.2	4271232	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	ALL	636446.2	4271232	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	ALL	636486.2	4271232	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	ALL	636526.2	4271232	1.69E-08	1YrCancerD	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	ALL	636566.2	4271232	1.67E-08	1YrCancerD	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	ALL	636606.2	4271232	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	ALL	636646.2	4271232	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	ALL	636686.2	4271232	1.66E-08	1YrCancerD	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	ALL	636726.2	4271232	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	ALL	636766.2	4271232	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	ALL	636806.2	4271232	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	ALL	636846.2	4271232	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	ALL	636886.2	4271232	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	ALL	636926.2	4271232	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	ALL	636966.2	4271232	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	ALL	637006.2	4271232	3.79E-08	1YrCancerD	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	ALL	637206.2	4271232	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	ALL	637246.2	4271232	1.48E-08	1YrCancerD	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	ALL	637806.2	4271232	7.32E-09	1YrCancerD	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	ALL	637846.2	4271232	7.31E-09	1YrCancerD	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1974	ALL	637886.2	4271232	7.29E-09	1YrCancerD	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	ALL	637926.2	4271232	7.26E-09	1YrCancerD	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	ALL	637966.2	4271232	7.22E-09	1YrCancerD	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	ALL	638086.2	4271232	7.08E-09	1YrCancerD	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	ALL	638126.2	4271232	7.00E-09	1YrCancerD	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1979	ALL	638166.2	4271232	6.91E-09	1YrCancerD	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	ALL	638206.2	4271232	6.80E-09	1YrCancerD	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	ALL	638246.2	4271232	6.66E-09	1YrCancerD	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	ALL	638286.2	4271232	6.51E-09	1YrCancerD	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	ALL	638326.2	4271232	6.34E-09	1YrCancerD	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	ALL	638366.2	4271232	6.16E-09	1YrCancerD	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	ALL	638406.2	4271232	5.96E-09	1YrCancerD	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	ALL	634686.2	4271272	9.05E-09	1YrCancerD	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	ALL	634726.2	4271272	9.58E-09	1YrCancerD	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	ALL	634766.2	4271272	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	ALL	634806.2	4271272	1.08E-08	1YrCancerD	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	ALL	634846.2	4271272	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	ALL	634886.2	4271272	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	ALL	634926.2	4271272	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	ALL	634966.2	4271272	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	ALL	635006.2	4271272	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	ALL	635046.2	4271272	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	ALL	635086.2	4271272	1.59E-08	1YrCancerD	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	ALL	635126.2	4271272	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	ALL	635166.2	4271272	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1999	ALL	635206.2	4271272	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2000	ALL	635246.2	4271272	2.04E-08	1YrCancerD	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2001	ALL	635286.2	4271272	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2002	ALL	635366.2	4271272	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2003	ALL	635406.2	4271272	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2004	ALL	635446.2	4271272	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2005	ALL	635486.2	4271272	3.19E-08	1YrCancerD	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2006	ALL	635526.2	4271272	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2007	ALL	635566.2	4271272	3.58E-08	1YrCancerD	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2008	ALL	635606.2	4271272	3.75E-08	1YrCancerD	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2009	ALL	635646.2	4271272	3.89E-08	1YrCancerD	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2010	ALL	635686.2	4271272	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2011	ALL	635726.2	4271272	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2012	ALL	635766.2	4271272	3.83E-08	1YrCancerD	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	ALL	635806.2	4271272	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2014	ALL	635846.2	4271272	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2015	ALL	636046.2	4271272	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2016	ALL	636086.2	4271272	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2017	ALL	636126.2	4271272	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2018	ALL	636166.2	4271272	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2019	ALL	636206.2	4271272	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2020	ALL	636246.2	4271272	2.03E-08	1YrCancerD	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2021	ALL	636286.2	4271272	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2022	ALL	636326.2	4271272	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023	ALL	636366.2	4271272	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2024	ALL	636406.2	4271272	1.91E-08	1YrCancerD	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2025	ALL	636446.2	4271272	1.89E-08	1YrCancerD	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2026	ALL	636486.2	4271272	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2027	ALL	636526.2	4271272	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2028	ALL	636566.2	4271272	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2029	ALL	636606.2	4271272	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2030	ALL	636646.2	4271272	1.77E-08	1YrCancerD	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2031	ALL	636686.2	4271272	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2032	ALL	636726.2	4271272	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033	ALL	636766.2	4271272	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2034	ALL	636806.2	4271272	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2035	ALL	636846.2	4271272	1.86E-08	1YrCancerD	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2036	ALL	636886.2	4271272	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2037	ALL	636926.2	4271272	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2038	ALL	636966.2	4271272	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2039	ALL	637006.2	4271272	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2040	ALL	637046.2	4271272	4.24E-08	1YrCancerD	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2041	ALL	637806.2	4271272	7.07E-09	1YrCancerD	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2042	ALL	637846.2	4271272	7.04E-09	1YrCancerD	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043	ALL	637886.2	4271272	7.00E-09	1YrCancerD	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2044	ALL	637926.2	4271272	6.95E-09	1YrCancerD	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2045	ALL	637966.2	4271272	6.90E-09	1YrCancerD	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2046	ALL	638086.2	4271272	6.72E-09	1YrCancerD	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2047	ALL	638126.2	4271272	6.64E-09	1YrCancerD	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2048	ALL	638166.2	4271272	6.55E-09	1YrCancerD	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2049	ALL	638206.2	4271272	6.44E-09	1YrCancerD	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2050	ALL	638246.2	4271272	6.32E-09	1YrCancerD	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2051	ALL	638286.2	4271272	6.19E-09	1YrCancerD	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2052	ALL	638326.2	4271272	6.05E-09	1YrCancerD	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053	ALL	638366.2	4271272	5.89E-09	1YrCancerD	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2054	ALL	638406.2	4271272	5.73E-09	1YrCancerD	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2055	ALL	634766.2	4271312	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2056	ALL	634806.2	4271312	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2057	ALL	634846.2	4271312	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2058	ALL	634886.2	4271312	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2059	ALL	634926.2	4271312	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2060	ALL	634966.2	4271312	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2061	ALL	635006.2	4271312	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2062	ALL	635046.2	4271312	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2063	ALL	635086.2	4271312	1.71E-08	1YrCancerD	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2064	ALL	635126.2	4271312	1.81E-08	1YrCancerD	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2065	ALL	635166.2	4271312	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2066	ALL	635206.2	4271312	2.08E-08	1YrCancerD	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2067	ALL	635246.2	4271312	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2068	ALL	635286.2	4271312	2.43E-08	1YrCancerD	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2069	ALL	635326.2	4271312	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2070	ALL	635406.2	4271312	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2071	ALL	635446.2	4271312	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2072	ALL	635486.2	4271312	3.58E-08	1YrCancerD	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2073	ALL	635526.2	4271312	3.80E-08	1YrCancerD	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2074	ALL	635566.2	4271312	4.01E-08	1YrCancerD	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2075	ALL	635606.2	4271312	4.20E-08	1YrCancerD	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2076	ALL	635646.2	4271312	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2077	ALL	635686.2	4271312	4.41E-08	1YrCancerD	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2078	ALL	635726.2	4271312	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2079	ALL	635766.2	4271312	4.16E-08	1YrCancerD	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2080	ALL	635966.2	4271312	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2081	ALL	636006.2	4271312	2.72E-08	1YrCancerD	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2082	ALL	636046.2	4271312	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2083	ALL	636086.2	4271312	2.49E-08	1YrCancerD	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2084	ALL	636126.2	4271312	2.40E-08	1YrCancerD	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2085	ALL	636166.2	4271312	2.34E-08	1YrCancerD	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2086	ALL	636206.2	4271312	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2087	ALL	636246.2	4271312	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2088	ALL	636286.2	4271312	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2089	ALL	636326.2	4271312	2.21E-08	1YrCancerD	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2090	ALL	636366.2	4271312	2.20E-08	1YrCancerD	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2091	ALL	636406.2	4271312	2.19E-08	1YrCancerD	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2092	ALL	636446.2	4271312	2.17E-08	1YrCancerD	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2093	ALL	636486.2	4271312	2.15E-08	1YrCancerD	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2094	ALL	636526.2	4271312	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2095	ALL	636566.2	4271312	2.07E-08	1YrCancerD	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2096	ALL	636606.2	4271312	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2097	ALL	636646.2	4271312	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2098	ALL	636686.2	4271312	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2099	ALL	636726.2	4271312	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2100	ALL	636766.2	4271312	1.93E-08	1YrCancerD	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2101	ALL	636806.2	4271312	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2102	ALL	636846.2	4271312	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2103	ALL	636886.2	4271312	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2104	ALL	636926.2	4271312	2.12E-08	1YrCancerD	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2105	ALL	636966.2	4271312	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2106	ALL	637006.2	4271312	2.63E-08	1YrCancerD	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2107	ALL	637046.2	4271312	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2108	ALL	637086.2	4271312	5.01E-08	1YrCancerD	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2109	ALL	637886.2	4271312	6.74E-09	1YrCancerD	6.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2110	ALL	637926.2	4271312	6.68E-09	1YrCancerD	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2111	ALL	637966.2	4271312	6.62E-09	1YrCancerD	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2112	ALL	638086.2	4271312	6.40E-09	1YrCancerD	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2113	ALL	638126.2	4271312	6.32E-09	1YrCancerD	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2114	ALL	638166.2	4271312	6.23E-09	1YrCancerD	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2115	ALL	638206.2	4271312	6.13E-09	1YrCancerD	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2116	ALL	638246.2	4271312	6.02E-09	1YrCancerD	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2117	ALL	638286.2	4271312	5.90E-09	1YrCancerD	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2118	ALL	638326.2	4271312	5.78E-09	1YrCancerD	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2119	ALL	638366.2	4271312	5.65E-09	1YrCancerD	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2120	ALL	638406.2	4271312	5.50E-09	1YrCancerD	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2121	ALL	634806.2	4271352	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2122	ALL	634846.2	4271352	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2123	ALL	634886.2	4271352	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2124	ALL	634926.2	4271352	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2125	ALL	634966.2	4271352	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2126	ALL	635006.2	4271352	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2127	ALL	635046.2	4271352	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2128	ALL	635126.2	4271352	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2129	ALL	635166.2	4271352	2.11E-08	1YrCancerD	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2130	ALL	635206.2	4271352	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2131	ALL	635246.2	4271352	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2132	ALL	635286.2	4271352	2.69E-08	1YrCancerD	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2133	ALL	635326.2	4271352	2.94E-08	1YrCancerD	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2134	ALL	635366.2	4271352	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2135	ALL	635446.2	4271352	3.77E-08	1YrCancerD	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2136	ALL	635486.2	4271352	4.04E-08	1YrCancerD	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2137	ALL	635526.2	4271352	4.30E-08	1YrCancerD	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2138	ALL	635566.2	4271352	4.54E-08	1YrCancerD	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2139	ALL	635606.2	4271352	4.75E-08	1YrCancerD	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2140	ALL	635646.2	4271352	4.90E-08	1YrCancerD	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2141	ALL	635686.2	4271352	4.93E-08	1YrCancerD	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2142	ALL	635846.2	4271352	3.84E-08	1YrCancerD	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2143	ALL	635886.2	4271352	3.54E-08	1YrCancerD	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2144	ALL	635926.2	4271352	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2145	ALL	635966.2	4271352	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2146	ALL	636006.2	4271352	2.96E-08	1YrCancerD	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2147	ALL	636046.2	4271352	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2148	ALL	636086.2	4271352	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2149	ALL	636126.2	4271352	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2150	ALL	636166.2	4271352	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2151	ALL	636206.2	4271352	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2152	ALL	636246.2	4271352	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2153	ALL	636286.2	4271352	2.66E-08	1YrCancerD	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2154	ALL	636326.2	4271352	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2155	ALL	636366.2	4271352	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2156	ALL	636646.2	4271352	2.46E-08	1YrCancerD	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2157	ALL	636686.2	4271352	2.38E-08	1YrCancerD	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2158	ALL	636726.2	4271352	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2159	ALL	636766.2	4271352	2.27E-08	1YrCancerD	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2160	ALL	636806.2	4271352	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2161	ALL	636846.2	4271352	2.24E-08	1YrCancerD	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2162	ALL	636886.2	4271352	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2163	ALL	636926.2	4271352	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2164	ALL	636966.2	4271352	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2165	ALL	637006.2	4271352	2.70E-08	1YrCancerD	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2166	ALL	637046.2	4271352	3.25E-08	1YrCancerD	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2167	ALL	637086.2	4271352	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2168	ALL	637886.2	4271352	6.50E-09	1YrCancerD	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2169	ALL	637926.2	4271352	6.43E-09	1YrCancerD	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2170	ALL	637966.2	4271352	6.36E-09	1YrCancerD	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2171	ALL	638086.2	4271352	6.13E-09	1YrCancerD	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2172	ALL	638126.2	4271352	6.04E-09	1YrCancerD	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2173	ALL	638166.2	4271352	5.95E-09	1YrCancerD	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2174	ALL	638206.2	4271352	5.85E-09	1YrCancerD	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2175	ALL	638246.2	4271352	5.75E-09	1YrCancerD	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2176	ALL	638286.2	4271352	5.64E-09	1YrCancerD	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2177	ALL	638326.2	4271352	5.53E-09	1YrCancerD	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2178	ALL	638366.2	4271352	5.42E-09	1YrCancerD	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2179	ALL	638406.2	4271352	5.30E-09	1YrCancerD	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2180	ALL	634886.2	4271392	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2181	ALL	634926.2	4271392	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2182	ALL	634966.2	4271392	1.64E-08	1YrCancerD	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2183	ALL	635006.2	4271392	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2184	ALL	635086.2	4271392	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2185	ALL	635126.2	4271392	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2186	ALL	635166.2	4271392	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2187	ALL	635206.2	4271392	2.50E-08	1YrCancerD	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2188	ALL	635246.2	4271392	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2189	ALL	635286.2	4271392	3.01E-08	1YrCancerD	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2190	ALL	635326.2	4271392	3.30E-08	1YrCancerD	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2191	ALL	635366.2	4271392	3.62E-08	1YrCancerD	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2192	ALL	635406.2	4271392	3.95E-08	1YrCancerD	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2193	ALL	635446.2	4271392	4.28E-08	1YrCancerD	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2194	ALL	635486.2	4271392	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2195	ALL	635526.2	4271392	4.91E-08	1YrCancerD	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2196	ALL	635566.2	4271392	5.19E-08	1YrCancerD	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2197	ALL	635606.2	4271392	5.42E-08	1YrCancerD	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2198	ALL	635766.2	4271392	4.94E-08	1YrCancerD	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2199	ALL	635806.2	4271392	4.52E-08	1YrCancerD	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2200	ALL	635846.2	4271392	4.15E-08	1YrCancerD	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2201	ALL	635886.2	4271392	3.84E-08	1YrCancerD	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2202	ALL	635926.2	4271392	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2203	ALL	635966.2	4271392	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2204	ALL	636006.2	4271392	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2205	ALL	636046.2	4271392	3.35E-08	1YrCancerD	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2206	ALL	636086.2	4271392	3.34E-08	1YrCancerD	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2207	ALL	636126.2	4271392	3.36E-08	1YrCancerD	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2208	ALL	636166.2	4271392	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2209	ALL	636206.2	4271392	3.48E-08	1YrCancerD	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2210	ALL	636246.2	4271392	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2211	ALL	636286.2	4271392	3.89E-08	1YrCancerD	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2212	ALL	636326.2	4271392	4.29E-08	1YrCancerD	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2213	ALL	636366.2	4271392	4.77E-08	1YrCancerD	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2214	ALL	636406.2	4271392	5.15E-08	1YrCancerD	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2215	ALL	636446.2	4271392	5.26E-08	1YrCancerD	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2216	ALL	636486.2	4271392	5.25E-08	1YrCancerD	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2217	ALL	636526.2	4271392	4.96E-08	1YrCancerD	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2218	ALL	636566.2	4271392	4.58E-08	1YrCancerD	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2219	ALL	636606.2	4271392	4.24E-08	1YrCancerD	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2220	ALL	636646.2	4271392	3.91E-08	1YrCancerD	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2221	ALL	636686.2	4271392	3.63E-08	1YrCancerD	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2222	ALL	636726.2	4271392	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2223	ALL	636766.2	4271392	3.21E-08	1YrCancerD	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2224	ALL	636806.2	4271392	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2225	ALL	636846.2	4271392	2.99E-08	1YrCancerD	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2226	ALL	636886.2	4271392	2.92E-08	1YrCancerD	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2227	ALL	636926.2	4271392	2.90E-08	1YrCancerD	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2228	ALL	636966.2	4271392	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2229	ALL	637006.2	4271392	3.39E-08	1YrCancerD	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2230	ALL	637046.2	4271392	4.41E-08	1YrCancerD	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2231	ALL	637886.2	4271392	6.28E-09	1YrCancerD	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2232	ALL	637926.2	4271392	6.20E-09	1YrCancerD	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2233	ALL	637966.2	4271392	6.12E-09	1YrCancerD	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2234	ALL	638086.2	4271392	5.87E-09	1YrCancerD	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2235	ALL	638126.2	4271392	5.79E-09	1YrCancerD	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2236	ALL	638166.2	4271392	5.70E-09	1YrCancerD	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2237	ALL	638206.2	4271392	5.60E-09	1YrCancerD	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2238	ALL	638246.2	4271392	5.51E-09	1YrCancerD	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2239	ALL	638326.2	4271392	5.31E-09	1YrCancerD	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2240	ALL	638366.2	4271392	5.21E-09	1YrCancerD	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2241	ALL	638406.2	4271392	5.10E-09	1YrCancerD	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2242	ALL	634926.2	4271432	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2243	ALL	634966.2	4271432	1.75E-08	1YrCancerD	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2244	ALL	635006.2	4271432	1.88E-08	1YrCancerD	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2245	ALL	635046.2	4271432	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2246	ALL	635086.2	4271432	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2247	ALL	635126.2	4271432	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2248	ALL	635166.2	4271432	2.54E-08	1YrCancerD	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2249	ALL	635206.2	4271432	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2250	ALL	635246.2	4271432	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2251	ALL	635286.2	4271432	3.38E-08	1YrCancerD	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2252	ALL	635326.2	4271432	3.74E-08	1YrCancerD	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2253	ALL	635366.2	4271432	4.12E-08	1YrCancerD	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2254	ALL	635406.2	4271432	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2255	ALL	635486.2	4271432	5.30E-08	1YrCancerD	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2256	ALL	635526.2	4271432	5.67E-08	1YrCancerD	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2257	ALL	635686.2	4271432	6.30E-08	1YrCancerD	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2258	ALL	635726.2	4271432	5.93E-08	1YrCancerD	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2259	ALL	635766.2	4271432	5.43E-08	1YrCancerD	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2260	ALL	635806.2	4271432	4.96E-08	1YrCancerD	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2261	ALL	635846.2	4271432	4.59E-08	1YrCancerD	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2262	ALL	635886.2	4271432	4.35E-08	1YrCancerD	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2263	ALL	635926.2	4271432	4.25E-08	1YrCancerD	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2264	ALL	635966.2	4271432	4.27E-08	1YrCancerD	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2265	ALL	636006.2	4271432	4.43E-08	1YrCancerD	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2266	ALL	636046.2	4271432	4.71E-08	1YrCancerD	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2267	ALL	636086.2	4271432	5.15E-08	1YrCancerD	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2268	ALL	636126.2	4271432	5.70E-08	1YrCancerD	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2269	ALL	636166.2	4271432	6.33E-08	1YrCancerD	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2270	ALL	636206.2	4271432	7.60E-08	1YrCancerD	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2271	ALL	637886.2	4271432	6.08E-09	1YrCancerD	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2272	ALL	637926.2	4271432	5.99E-09	1YrCancerD	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2273	ALL	637966.2	4271432	5.91E-09	1YrCancerD	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2274	ALL	638086.2	4271432	5.65E-09	1YrCancerD	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2275	ALL	638126.2	4271432	5.56E-09	1YrCancerD	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2276	ALL	638166.2	4271432	5.47E-09	1YrCancerD	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2277	ALL	638206.2	4271432	5.38E-09	1YrCancerD	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2278	ALL	638246.2	4271432	5.29E-09	1YrCancerD	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2279	ALL	638366.2	4271432	5.02E-09	1YrCancerD	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2280	ALL	638406.2	4271432	4.92E-09	1YrCancerD	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2281	ALL	635046.2	4271472	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2282	ALL	635086.2	4271472	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2283	ALL	635126.2	4271472	2.56E-08	1YrCancerD	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2284	ALL	635166.2	4271472	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2285	ALL	635206.2	4271472	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2286	ALL	635246.2	4271472	3.44E-08	1YrCancerD	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2287	ALL	635286.2	4271472	3.83E-08	1YrCancerD	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2288	ALL	635326.2	4271472	4.27E-08	1YrCancerD	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2289	ALL	635366.2	4271472	4.73E-08	1YrCancerD	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2290	ALL	635406.2	4271472	5.20E-08	1YrCancerD	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2291	ALL	635446.2	4271472	5.68E-08	1YrCancerD	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2292	ALL	635606.2	4271472	7.36E-08	1YrCancerD	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2293	ALL	635646.2	4271472	7.48E-08	1YrCancerD	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2294	ALL	635686.2	4271472	7.24E-08	1YrCancerD	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2295	ALL	635726.2	4271472	6.69E-08	1YrCancerD	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2296	ALL	635766.2	4271472	6.09E-08	1YrCancerD	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2297	ALL	635806.2	4271472	5.65E-08	1YrCancerD	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2298	ALL	635846.2	4271472	5.43E-08	1YrCancerD	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2299	ALL	635886.2	4271472	5.56E-08	1YrCancerD	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2300	ALL	635926.2	4271472	6.13E-08	1YrCancerD	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2301	ALL	635966.2	4271472	7.44E-08	1YrCancerD	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2302	ALL	637886.2	4271472	5.89E-09	1YrCancerD	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2303	ALL	637926.2	4271472	5.80E-09	1YrCancerD	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2304	ALL	637966.2	4271472	5.71E-09	1YrCancerD	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2305	ALL	638086.2	4271472	5.44E-09	1YrCancerD	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2306	ALL	638126.2	4271472	5.36E-09	1YrCancerD	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2307	ALL	638166.2	4271472	5.27E-09	1YrCancerD	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2308	ALL	638206.2	4271472	5.19E-09	1YrCancerD	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2309	ALL	638326.2	4271472	4.93E-09	1YrCancerD	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2310	ALL	638366.2	4271472	4.84E-09	1YrCancerD	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2311	ALL	638406.2	4271472	4.75E-09	1YrCancerD	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2312	ALL	634126.2	4271512	4.98E-09	1YrCancerD	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2313	ALL	634166.2	4271512	5.23E-09	1YrCancerD	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2314	ALL	634206.2	4271512	5.50E-09	1YrCancerD	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2315	ALL	634246.2	4271512	5.80E-09	1YrCancerD	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2316	ALL	634286.2	4271512	6.11E-09	1YrCancerD	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2317	ALL	634326.2	4271512	6.46E-09	1YrCancerD	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2318	ALL	634366.2	4271512	6.84E-09	1YrCancerD	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2319	ALL	634406.2	4271512	7.25E-09	1YrCancerD	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2320	ALL	634446.2	4271512	7.71E-09	1YrCancerD	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2321	ALL	635046.2	4271512	2.36E-08	1YrCancerD	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2322	ALL	635086.2	4271512	2.57E-08	1YrCancerD	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2323	ALL	635126.2	4271512	2.82E-08	1YrCancerD	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2324	ALL	635166.2	4271512	3.11E-08	1YrCancerD	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2325	ALL	635206.2	4271512	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2326	ALL	635246.2	4271512	3.89E-08	1YrCancerD	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2327	ALL	635286.2	4271512	4.38E-08	1YrCancerD	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2328	ALL	635326.2	4271512	4.91E-08	1YrCancerD	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2329	ALL	635526.2	4271512	7.93E-08	1YrCancerD	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2330	ALL	635726.2	4271512	7.71E-08	1YrCancerD	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2331	ALL	635766.2	4271512	7.23E-08	1YrCancerD	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2332	ALL	635806.2	4271512	7.31E-08	1YrCancerD	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2333	ALL	635846.2	4271512	8.46E-08	1YrCancerD	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2334	ALL	634126.2	4271552	5.04E-09	1YrCancerD	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2335	ALL	634166.2	4271552	5.30E-09	1YrCancerD	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2336	ALL	634206.2	4271552	5.58E-09	1YrCancerD	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2337	ALL	634246.2	4271552	5.89E-09	1YrCancerD	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2338	ALL	634286.2	4271552	6.22E-09	1YrCancerD	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2339	ALL	634326.2	4271552	6.59E-09	1YrCancerD	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2340	ALL	634366.2	4271552	6.99E-09	1YrCancerD	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2341	ALL	634406.2	4271552	7.42E-09	1YrCancerD	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2342	ALL	634446.2	4271552	7.90E-09	1YrCancerD	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2343	ALL	634486.2	4271552	8.43E-09	1YrCancerD	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2344	ALL	634526.2	4271552	9.01E-09	1YrCancerD	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2345	ALL	634566.2	4271552	9.65E-09	1YrCancerD	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2346	ALL	635446.2	4271552	7.98E-08	1YrCancerD	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2347	ALL	635486.2	4271552	8.85E-08	1YrCancerD	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2348	ALL	635566.2	4271552	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2349	ALL	635606.2	4271552	1.10E-07	1YrCancerD	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2350	ALL	635686.2	4271552	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2351	ALL	635726.2	4271552	9.65E-08	1YrCancerD	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2352	ALL	635766.2	4271552	1.14E-07	1YrCancerD	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2353	ALL	634006.2	4271592	4.39E-09	1YrCancerD	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2354	ALL	634046.2	4271592	4.60E-09	1YrCancerD	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2355	ALL	634086.2	4271592	4.84E-09	1YrCancerD	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2356	ALL	634126.2	4271592	5.09E-09	1YrCancerD	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2357	ALL	634166.2	4271592	5.36E-09	1YrCancerD	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2358	ALL	634206.2	4271592	5.66E-09	1YrCancerD	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2359	ALL	634246.2	4271592	5.98E-09	1YrCancerD	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2360	ALL	634286.2	4271592	6.33E-09	1YrCancerD	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2361	ALL	634326.2	4271592	6.71E-09	1YrCancerD	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2362	ALL	634366.2	4271592	7.13E-09	1YrCancerD	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2363	ALL	634406.2	4271592	7.59E-09	1YrCancerD	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2364	ALL	634446.2	4271592	8.10E-09	1YrCancerD	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2365	ALL	634486.2	4271592	8.66E-09	1YrCancerD	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2366	ALL	634526.2	4271592	9.28E-09	1YrCancerD	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2367	ALL	634566.2	4271592	9.97E-09	1YrCancerD	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2368	ALL	634606.2	4271592	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2369	ALL	634646.2	4271592	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2370	ALL	635086.2	4271592	3.12E-08	1YrCancerD	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2371	ALL	635126.2	4271592	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2372	ALL	635166.2	4271592	3.92E-08	1YrCancerD	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2373	ALL	635206.2	4271592	4.46E-08	1YrCancerD	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2374	ALL	635246.2	4271592	5.11E-08	1YrCancerD	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2375	ALL	635366.2	4271592	7.62E-08	1YrCancerD	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2376	ALL	635486.2	4271592	1.11E-07	1YrCancerD	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2377	ALL	635526.2	4271592	1.25E-07	1YrCancerD	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2378	ALL	635566.2	4271592	1.37E-07	1YrCancerD	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2379	ALL	635646.2	4271592	1.40E-07	1YrCancerD	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2380	ALL	635686.2	4271592	1.33E-07	1YrCancerD	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2381	ALL	634046.2	4271632	4.64E-09	1YrCancerD	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2382	ALL	634086.2	4271632	4.88E-09	1YrCancerD	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2383	ALL	634126.2	4271632	5.14E-09	1YrCancerD	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2384	ALL	634166.2	4271632	5.42E-09	1YrCancerD	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2385	ALL	634206.2	4271632	5.73E-09	1YrCancerD	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2386	ALL	634246.2	4271632	6.06E-09	1YrCancerD	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2387	ALL	634286.2	4271632	6.43E-09	1YrCancerD	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2388	ALL	634326.2	4271632	6.83E-09	1YrCancerD	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2389	ALL	634366.2	4271632	7.27E-09	1YrCancerD	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2390	ALL	634406.2	4271632	7.75E-09	1YrCancerD	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2391	ALL	634446.2	4271632	8.29E-09	1YrCancerD	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2392	ALL	634486.2	4271632	8.89E-09	1YrCancerD	8.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2393	ALL	634526.2	4271632	9.56E-09	1YrCancerD	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2394	ALL	634566.2	4271632	1.03E-08	1YrCancerD	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2395	ALL	634606.2	4271632	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2396	ALL	634646.2	4271632	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2397	ALL	634686.2	4271632	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2398	ALL	635086.2	4271632	3.47E-08	1YrCancerD	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2399	ALL	635126.2	4271632	3.90E-08	1YrCancerD	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2400	ALL	635166.2	4271632	4.44E-08	1YrCancerD	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2401	ALL	635286.2	4271632	6.91E-08	1YrCancerD	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2402	ALL	635406.2	4271632	1.06E-07	1YrCancerD	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2403	ALL	635446.2	4271632	1.23E-07	1YrCancerD	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2404	ALL	635486.2	4271632	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2405	ALL	635526.2	4271632	1.69E-07	1YrCancerD	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2406	ALL	635606.2	4271632	2.08E-07	1YrCancerD	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2407	ALL	635646.2	4271632	1.99E-07	1YrCancerD	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2408	ALL	634086.2	4271672	4.92E-09	1YrCancerD	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2409	ALL	634126.2	4271672	5.18E-09	1YrCancerD	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2410	ALL	634166.2	4271672	5.47E-09	1YrCancerD	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2411	ALL	634206.2	4271672	5.79E-09	1YrCancerD	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2412	ALL	634246.2	4271672	6.14E-09	1YrCancerD	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2413	ALL	634286.2	4271672	6.52E-09	1YrCancerD	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2414	ALL	634326.2	4271672	6.94E-09	1YrCancerD	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2415	ALL	634366.2	4271672	7.40E-09	1YrCancerD	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2416	ALL	634406.2	4271672	7.91E-09	1YrCancerD	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2417	ALL	634446.2	4271672	8.49E-09	1YrCancerD	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2418	ALL	634486.2	4271672	9.12E-09	1YrCancerD	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2419	ALL	634526.2	4271672	9.84E-09	1YrCancerD	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2420	ALL	634566.2	4271672	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2421	ALL	634606.2	4271672	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2422	ALL	634646.2	4271672	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2423	ALL	634686.2	4271672	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2424	ALL	634726.2	4271672	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2425	ALL	635206.2	4271672	5.98E-08	1YrCancerD	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2426	ALL	635326.2	4271672	9.64E-08	1YrCancerD	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2427	ALL	635366.2	4271672	1.13E-07	1YrCancerD	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2428	ALL	635406.2	4271672	1.34E-07	1YrCancerD	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2429	ALL	635446.2	4271672	1.62E-07	1YrCancerD	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2430	ALL	635486.2	4271672	2.00E-07	1YrCancerD	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2431	ALL	635566.2	4271672	3.20E-07	1YrCancerD	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2432	ALL	634126.2	4271712	5.23E-09	1YrCancerD	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2433	ALL	634166.2	4271712	5.53E-09	1YrCancerD	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2434	ALL	634206.2	4271712	5.85E-09	1YrCancerD	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2435	ALL	634246.2	4271712	6.21E-09	1YrCancerD	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2436	ALL	634286.2	4271712	6.61E-09	1YrCancerD	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2437	ALL	634326.2	4271712	7.05E-09	1YrCancerD	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2438	ALL	634366.2	4271712	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2439	ALL	634406.2	4271712	8.07E-09	1YrCancerD	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2440	ALL	634446.2	4271712	8.68E-09	1YrCancerD	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2441	ALL	634486.2	4271712	9.35E-09	1YrCancerD	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2442	ALL	634526.2	4271712	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2443	ALL	634566.2	4271712	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2444	ALL	634606.2	4271712	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2445	ALL	634646.2	4271712	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2446	ALL	634686.2	4271712	1.43E-08	1YrCancerD	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2447	ALL	634726.2	4271712	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2448	ALL	634766.2	4271712	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2449	ALL	635166.2	4271712	5.94E-08	1YrCancerD	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2450	ALL	635246.2	4271712	8.43E-08	1YrCancerD	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2451	ALL	635286.2	4271712	9.99E-08	1YrCancerD	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2452	ALL	635326.2	4271712	1.18E-07	1YrCancerD	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2453	ALL	635366.2	4271712	1.42E-07	1YrCancerD	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2454	ALL	635406.2	4271712	1.76E-07	1YrCancerD	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2455	ALL	635446.2	4271712	2.26E-07	1YrCancerD	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2456	ALL	635526.2	4271712	4.52E-07	1YrCancerD	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2457	ALL	634206.2	4271752	5.91E-09	1YrCancerD	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2458	ALL	634246.2	4271752	6.28E-09	1YrCancerD	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2459	ALL	634286.2	4271752	6.69E-09	1YrCancerD	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2460	ALL	634326.2	4271752	7.15E-09	1YrCancerD	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2461	ALL	634366.2	4271752	7.66E-09	1YrCancerD	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2462	ALL	634406.2	4271752	8.22E-09	1YrCancerD	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2463	ALL	634446.2	4271752	8.86E-09	1YrCancerD	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2464	ALL	634486.2	4271752	9.57E-09	1YrCancerD	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2465	ALL	634526.2	4271752	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2466	ALL	634566.2	4271752	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2467	ALL	634606.2	4271752	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2468	ALL	634646.2	4271752	1.36E-08	1YrCancerD	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2469	ALL	634726.2	4271752	1.65E-08	1YrCancerD	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2470	ALL	634766.2	4271752	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2471	ALL	634806.2	4271752	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2472	ALL	635206.2	4271752	8.50E-08	1YrCancerD	8.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2473	ALL	635246.2	4271752	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2474	ALL	635286.2	4271752	1.23E-07	1YrCancerD	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2475	ALL	635326.2	4271752	1.49E-07	1YrCancerD	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2476	ALL	635366.2	4271752	1.86E-07	1YrCancerD	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2477	ALL	635406.2	4271752	2.45E-07	1YrCancerD	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2478	ALL	635486.2	4271752	5.87E-07	1YrCancerD	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2479	ALL	634366.2	4271792	7.77E-09	1YrCancerD	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2480	ALL	634406.2	4271792	8.36E-09	1YrCancerD	8.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2481	ALL	634446.2	4271792	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2482	ALL	634486.2	4271792	9.78E-09	1YrCancerD	9.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2483	ALL	634526.2	4271792	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2484	ALL	634566.2	4271792	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2485	ALL	634606.2	4271792	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2486	ALL	634646.2	4271792	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2487	ALL	634726.2	4271792	1.74E-08	1YrCancerD	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2488	ALL	634766.2	4271792	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2489	ALL	634806.2	4271792	2.18E-08	1YrCancerD	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2490	ALL	634846.2	4271792	2.47E-08	1YrCancerD	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2491	ALL	635046.2	4271792	4.96E-08	1YrCancerD	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2492	ALL	635206.2	4271792	1.04E-07	1YrCancerD	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2493	ALL	635246.2	4271792	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2494	ALL	635286.2	4271792	1.54E-07	1YrCancerD	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2495	ALL	635326.2	4271792	1.93E-07	1YrCancerD	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2496	ALL	635446.2	4271792	7.00E-07	1YrCancerD	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2497	ALL	634606.2	4271832	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2498	ALL	634646.2	4271832	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2499	ALL	634686.2	4271832	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2500	ALL	634726.2	4271832	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2501	ALL	634766.2	4271832	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2502	ALL	634806.2	4271832	2.33E-08	1YrCancerD	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2503	ALL	634846.2	4271832	2.67E-08	1YrCancerD	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2504	ALL	635006.2	4271832	4.84E-08	1YrCancerD	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2505	ALL	635046.2	4271832	5.73E-08	1YrCancerD	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2506	ALL	635126.2	4271832	8.35E-08	1YrCancerD	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2507	ALL	635166.2	4271832	1.04E-07	1YrCancerD	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2508	ALL	635206.2	4271832	1.29E-07	1YrCancerD	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2509	ALL	635246.2	4271832	1.59E-07	1YrCancerD	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2510	ALL	635286.2	4271832	1.99E-07	1YrCancerD	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2511	ALL	635366.2	4271832	3.82E-07	1YrCancerD	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2512	ALL	635006.2	4271872	5.60E-08	1YrCancerD	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2513	ALL	635046.2	4271872	6.79E-08	1YrCancerD	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2514	ALL	635086.2	4271872	8.31E-08	1YrCancerD	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2515	ALL	635126.2	4271872	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2516	ALL	635166.2	4271872	1.31E-07	1YrCancerD	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2517	ALL	635326.2	4271872	3.92E-07	1YrCancerD	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2518	ALL	635006.2	4271912	6.59E-08	1YrCancerD	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2519	ALL	635046.2	4271912	8.21E-08	1YrCancerD	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2520	ALL	635086.2	4271912	1.04E-07	1YrCancerD	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2521	ALL	635126.2	4271912	1.33E-07	1YrCancerD	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2522	ALL	635166.2	4271912	1.74E-07	1YrCancerD	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2523	ALL	635206.2	4271912	2.21E-07	1YrCancerD	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2524	ALL	635246.2	4271912	2.85E-07	1YrCancerD	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2525	ALL	635286.2	4271912	4.03E-07	1YrCancerD	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2526	ALL	635126.2	4271952	1.81E-07	1YrCancerD	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2527	ALL	635166.2	4271952	2.42E-07	1YrCancerD	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2528	ALL	635206.2	4271952	3.10E-07	1YrCancerD	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2529	ALL	635246.2	4271952	4.27E-07	1YrCancerD	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2530	ALL	635166.2	4271992	3.65E-07	1YrCancerD	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2531	ALL	635206.2	4271992	4.75E-07	1YrCancerD	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2532	ALL	633966.2	4272112	4.78E-09	1YrCancerD	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2533	ALL	634966.2	4272232	3.02E-07	1YrCancerD	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2534	ALL	634966.2	4272272	2.81E-07	1YrCancerD	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2535	ALL	635006.2	4272272	7.23E-07	1YrCancerD	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2536	ALL	634926.2	4272312	1.24E-07	1YrCancerD	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2537	ALL	634966.2	4272312	2.17E-07	1YrCancerD	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2538	ALL	638685.9	4268031	4.11E-09	1YrCancerD	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2539	ALL	638365.9	4268071	3.84E-09	1YrCancerD	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2540	ALL	638405.9	4268071	3.89E-09	1YrCancerD	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2541	ALL	638685.9	4268071	4.36E-09	1YrCancerD	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2542	ALL	638205.9	4268111	3.73E-09	1YrCancerD	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2543	ALL	638245.9	4268111	3.78E-09	1YrCancerD	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2544	ALL	638285.9	4268111	3.83E-09	1YrCancerD	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2545	ALL	638325.9	4268111	3.89E-09	1YrCancerD	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2546	ALL	638365.9	4268111	3.95E-09	1YrCancerD	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2547	ALL	638405.9	4268111	4.02E-09	1YrCancerD	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2548	ALL	638685.9	4268111	4.67E-09	1YrCancerD	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2549	ALL	638925.9	4268111	5.09E-09	1YrCancerD	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2550	ALL	638965.9	4268111	4.95E-09	1YrCancerD	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2551	ALL	639005.9	4268111	4.80E-09	1YrCancerD	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2552	ALL	638085.9	4268151	3.69E-09	1YrCancerD	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2553	ALL	638125.9	4268151	3.73E-09	1YrCancerD	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2554	ALL	638165.9	4268151	3.77E-09	1YrCancerD	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2555	ALL	638205.9	4268151	3.82E-09	1YrCancerD	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2556	ALL	638245.9	4268151	3.88E-09	1YrCancerD	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2557	ALL	638285.9	4268151	3.94E-09	1YrCancerD	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2558	ALL	638325.9	4268151	4.01E-09	1YrCancerD	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2559	ALL	638365.9	4268151	4.08E-09	1YrCancerD	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2560	ALL	638405.9	4268151	4.17E-09	1YrCancerD	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2561	ALL	638645.9	4268151	4.79E-09	1YrCancerD	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2562	ALL	638685.9	4268151	5.08E-09	1YrCancerD	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2563	ALL	638925.9	4268151	5.33E-09	1YrCancerD	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2564	ALL	638965.9	4268151	5.15E-09	1YrCancerD	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2565	ALL	639005.9	4268151	4.97E-09	1YrCancerD	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2566	ALL	638085.9	4268191	3.77E-09	1YrCancerD	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2567	ALL	638125.9	4268191	3.81E-09	1YrCancerD	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2568	ALL	638165.9	4268191	3.86E-09	1YrCancerD	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2569	ALL	638205.9	4268191	3.91E-09	1YrCancerD	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2570	ALL	638245.9	4268191	3.98E-09	1YrCancerD	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2571	ALL	638285.9	4268191	4.05E-09	1YrCancerD	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2572	ALL	638325.9	4268191	4.14E-09	1YrCancerD	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2573	ALL	638365.9	4268191	4.23E-09	1YrCancerD	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2574	ALL	638405.9	4268191	4.34E-09	1YrCancerD	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2575	ALL	638645.9	4268191	5.23E-09	1YrCancerD	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2576	ALL	638685.9	4268191	5.63E-09	1YrCancerD	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2577	ALL	638725.9	4268191	6.00E-09	1YrCancerD	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2578	ALL	638765.9	4268191	6.19E-09	1YrCancerD	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2579	ALL	638805.9	4268191	6.17E-09	1YrCancerD	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2580	ALL	638845.9	4268191	6.02E-09	1YrCancerD	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2581	ALL	638885.9	4268191	5.81E-09	1YrCancerD	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2582	ALL	638925.9	4268191	5.57E-09	1YrCancerD	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2583	ALL	638965.9	4268191	5.35E-09	1YrCancerD	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2584	ALL	639005.9	4268191	5.14E-09	1YrCancerD	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2585	ALL	638085.9	4268231	3.84E-09	1YrCancerD	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2586	ALL	638125.9	4268231	3.89E-09	1YrCancerD	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2587	ALL	638165.9	4268231	3.95E-09	1YrCancerD	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2588	ALL	638205.9	4268231	4.01E-09	1YrCancerD	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2589	ALL	638245.9	4268231	4.09E-09	1YrCancerD	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2590	ALL	638285.9	4268231	4.18E-09	1YrCancerD	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2591	ALL	638325.9	4268231	4.28E-09	1YrCancerD	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2592	ALL	638645.9	4268231	5.84E-09	1YrCancerD	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2593	ALL	638685.9	4268231	6.38E-09	1YrCancerD	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2594	ALL	638725.9	4268231	6.78E-09	1YrCancerD	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2595	ALL	638765.9	4268231	6.86E-09	1YrCancerD	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2596	ALL	638805.9	4268231	6.70E-09	1YrCancerD	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2597	ALL	638845.9	4268231	6.43E-09	1YrCancerD	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2598	ALL	638885.9	4268231	6.13E-09	1YrCancerD	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2599	ALL	638925.9	4268231	5.83E-09	1YrCancerD	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2600	ALL	638965.9	4268231	5.55E-09	1YrCancerD	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2601	ALL	639005.9	4268231	5.31E-09	1YrCancerD	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2602	ALL	638125.9	4268271	3.97E-09	1YrCancerD	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2603	ALL	638165.9	4268271	4.04E-09	1YrCancerD	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2604	ALL	638205.9	4268271	4.11E-09	1YrCancerD	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2605	ALL	638245.9	4268271	4.20E-09	1YrCancerD	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2606	ALL	638285.9	4268271	4.31E-09	1YrCancerD	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2607	ALL	638685.9	4268271	7.46E-09	1YrCancerD	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2608	ALL	638725.9	4268271	7.78E-09	1YrCancerD	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2609	ALL	638765.9	4268271	7.65E-09	1YrCancerD	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2610	ALL	638805.9	4268271	7.28E-09	1YrCancerD	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2611	ALL	638845.9	4268271	6.87E-09	1YrCancerD	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2612	ALL	638885.9	4268271	6.46E-09	1YrCancerD	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2613	ALL	638925.9	4268271	6.10E-09	1YrCancerD	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2614	ALL	638965.9	4268271	5.76E-09	1YrCancerD	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2615	ALL	639005.9	4268271	5.47E-09	1YrCancerD	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2616	ALL	638725.9	4268311	9.04E-09	1YrCancerD	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2617	ALL	638765.9	4268311	8.52E-09	1YrCancerD	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2618	ALL	638805.9	4268311	7.90E-09	1YrCancerD	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2619	ALL	638845.9	4268311	7.32E-09	1YrCancerD	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2620	ALL	638885.9	4268311	6.81E-09	1YrCancerD	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2621	ALL	638925.9	4268311	6.36E-09	1YrCancerD	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2622	ALL	638965.9	4268311	5.98E-09	1YrCancerD	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2623	ALL	639005.9	4268311	5.64E-09	1YrCancerD	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2624	ALL	638765.9	4268351	9.49E-09	1YrCancerD	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2625	ALL	638805.9	4268351	8.55E-09	1YrCancerD	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2626	ALL	638845.9	4268351	7.78E-09	1YrCancerD	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2627	ALL	638885.9	4268351	7.14E-09	1YrCancerD	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2628	ALL	638925.9	4268351	6.62E-09	1YrCancerD	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2629	ALL	638965.9	4268351	6.19E-09	1YrCancerD	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2630	ALL	639005.9	4268351	5.81E-09	1YrCancerD	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2631	ALL	638805.9	4268391	9.21E-09	1YrCancerD	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2632	ALL	638845.9	4268391	8.23E-09	1YrCancerD	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2633	ALL	638885.9	4268391	7.48E-09	1YrCancerD	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2634	ALL	638925.9	4268391	6.88E-09	1YrCancerD	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2635	ALL	638965.9	4268391	6.38E-09	1YrCancerD	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2636	ALL	639005.9	4268391	5.97E-09	1YrCancerD	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2637	ALL	638845.9	4268431	8.68E-09	1YrCancerD	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2638	ALL	638885.9	4268431	7.80E-09	1YrCancerD	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2639	ALL	638925.9	4268431	7.12E-09	1YrCancerD	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2640	ALL	638965.9	4268431	6.58E-09	1YrCancerD	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2641	ALL	639005.9	4268431	6.13E-09	1YrCancerD	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2642	ALL	638845.9	4268471	9.09E-09	1YrCancerD	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2643	ALL	638885.9	4268471	8.11E-09	1YrCancerD	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2644	ALL	638925.9	4268471	7.36E-09	1YrCancerD	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2645	ALL	638965.9	4268471	6.76E-09	1YrCancerD	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2646	ALL	639005.9	4268471	6.28E-09	1YrCancerD	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2647	ALL	638085.9	4268511	4.41E-09	1YrCancerD	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2648	ALL	638125.9	4268511	4.51E-09	1YrCancerD	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2649	ALL	638165.9	4268511	4.63E-09	1YrCancerD	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2650	ALL	638205.9	4268511	4.78E-09	1YrCancerD	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2651	ALL	638245.9	4268511	4.98E-09	1YrCancerD	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2652	ALL	638285.9	4268511	5.24E-09	1YrCancerD	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2653	ALL	638325.9	4268511	5.58E-09	1YrCancerD	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2654	ALL	638925.9	4268511	7.59E-09	1YrCancerD	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2655	ALL	638965.9	4268511	6.94E-09	1YrCancerD	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2656	ALL	639005.9	4268511	6.42E-09	1YrCancerD	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2657	ALL	638085.9	4268551	4.50E-09	1YrCancerD	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2658	ALL	638125.9	4268551	4.61E-09	1YrCancerD	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2659	ALL	638165.9	4268551	4.74E-09	1YrCancerD	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2660	ALL	638205.9	4268551	4.91E-09	1YrCancerD	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2661	ALL	638245.9	4268551	5.13E-09	1YrCancerD	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2662	ALL	638285.9	4268551	5.41E-09	1YrCancerD	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2663	ALL	638325.9	4268551	5.81E-09	1YrCancerD	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2664	ALL	638365.9	4268551	6.37E-09	1YrCancerD	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2665	ALL	638405.9	4268551	7.22E-09	1YrCancerD	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2666	ALL	638085.9	4268591	4.59E-09	1YrCancerD	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2667	ALL	638125.9	4268591	4.70E-09	1YrCancerD	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2668	ALL	638165.9	4268591	4.85E-09	1YrCancerD	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2669	ALL	638205.9	4268591	5.03E-09	1YrCancerD	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2670	ALL	638245.9	4268591	5.27E-09	1YrCancerD	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2671	ALL	638285.9	4268591	5.60E-09	1YrCancerD	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2672	ALL	638325.9	4268591	6.04E-09	1YrCancerD	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2673	ALL	638365.9	4268591	6.68E-09	1YrCancerD	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2674	ALL	638405.9	4268591	7.67E-09	1YrCancerD	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2675	ALL	638085.9	4268631	4.68E-09	1YrCancerD	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2676	ALL	638125.9	4268631	4.80E-09	1YrCancerD	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2677	ALL	638165.9	4268631	4.96E-09	1YrCancerD	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2678	ALL	638205.9	4268631	5.16E-09	1YrCancerD	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2679	ALL	638245.9	4268631	5.43E-09	1YrCancerD	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2680	ALL	638285.9	4268631	5.78E-09	1YrCancerD	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2681	ALL	638325.9	4268631	6.28E-09	1YrCancerD	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2682	ALL	638365.9	4268631	7.00E-09	1YrCancerD	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2683	ALL	638405.9	4268631	8.12E-09	1YrCancerD	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2684	ALL	638445.9	4268631	9.98E-09	1YrCancerD	9.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2685	ALL	638765.9	4268631	1.61E-08	1YrCancerD	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2686	ALL	638805.9	4268631	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2687	ALL	638845.9	4268631	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2688	ALL	638885.9	4268631	9.26E-09	1YrCancerD	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2689	ALL	638925.9	4268631	8.24E-09	1YrCancerD	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2690	ALL	638965.9	4268631	7.46E-09	1YrCancerD	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2691	ALL	639005.9	4268631	6.84E-09	1YrCancerD	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2692	ALL	638085.9	4268671	4.77E-09	1YrCancerD	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2693	ALL	638125.9	4268671	4.91E-09	1YrCancerD	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2694	ALL	638165.9	4268671	5.07E-09	1YrCancerD	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2695	ALL	638205.9	4268671	5.29E-09	1YrCancerD	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2696	ALL	638245.9	4268671	5.58E-09	1YrCancerD	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2697	ALL	638285.9	4268671	5.97E-09	1YrCancerD	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2698	ALL	638325.9	4268671	6.52E-09	1YrCancerD	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2699	ALL	638365.9	4268671	7.32E-09	1YrCancerD	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2700	ALL	638405.9	4268671	8.55E-09	1YrCancerD	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2701	ALL	638445.9	4268671	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2702	ALL	638645.9	4268671	7.51E-08	1YrCancerD	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2703	ALL	638685.9	4268671	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2704	ALL	638725.9	4268671	2.35E-08	1YrCancerD	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2705	ALL	638765.9	4268671	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2706	ALL	638805.9	4268671	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2707	ALL	638845.9	4268671	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2708	ALL	638885.9	4268671	9.55E-09	1YrCancerD	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2709	ALL	638925.9	4268671	8.45E-09	1YrCancerD	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2710	ALL	638965.9	4268671	7.62E-09	1YrCancerD	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2711	ALL	639005.9	4268671	6.97E-09	1YrCancerD	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2712	ALL	638085.9	4268711	4.87E-09	1YrCancerD	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2713	ALL	638125.9	4268711	5.01E-09	1YrCancerD	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2714	ALL	638165.9	4268711	5.19E-09	1YrCancerD	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2715	ALL	638205.9	4268711	5.43E-09	1YrCancerD	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2716	ALL	638245.9	4268711	5.74E-09	1YrCancerD	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2717	ALL	638285.9	4268711	6.17E-09	1YrCancerD	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2718	ALL	638325.9	4268711	6.76E-09	1YrCancerD	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2719	ALL	638365.9	4268711	7.63E-09	1YrCancerD	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2720	ALL	638405.9	4268711	8.97E-09	1YrCancerD	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2721	ALL	638445.9	4268711	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2722	ALL	638645.9	4268711	7.62E-08	1YrCancerD	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2723	ALL	638685.9	4268711	3.81E-08	1YrCancerD	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2724	ALL	638725.9	4268711	2.45E-08	1YrCancerD	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2725	ALL	638765.9	4268711	1.78E-08	1YrCancerD	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2726	ALL	638805.9	4268711	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2727	ALL	638845.9	4268711	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2728	ALL	638885.9	4268711	9.84E-09	1YrCancerD	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2729	ALL	638925.9	4268711	8.67E-09	1YrCancerD	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2730	ALL	638965.9	4268711	7.79E-09	1YrCancerD	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2731	ALL	639005.9	4268711	7.11E-09	1YrCancerD	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2732	ALL	638085.9	4268751	4.96E-09	1YrCancerD	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2733	ALL	638125.9	4268751	5.11E-09	1YrCancerD	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2734	ALL	638165.9	4268751	5.31E-09	1YrCancerD	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2735	ALL	638205.9	4268751	5.56E-09	1YrCancerD	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2736	ALL	638245.9	4268751	5.90E-09	1YrCancerD	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2737	ALL	638285.9	4268751	6.36E-09	1YrCancerD	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2738	ALL	638325.9	4268751	7.00E-09	1YrCancerD	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2739	ALL	638365.9	4268751	7.94E-09	1YrCancerD	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2740	ALL	638405.9	4268751	9.37E-09	1YrCancerD	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2741	ALL	638445.9	4268751	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2742	ALL	638645.9	4268751	7.69E-08	1YrCancerD	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2743	ALL	638685.9	4268751	3.89E-08	1YrCancerD	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2744	ALL	638725.9	4268751	2.53E-08	1YrCancerD	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2745	ALL	638765.9	4268751	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2746	ALL	638805.9	4268751	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2747	ALL	638845.9	4268751	1.19E-08	1YrCancerD	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2748	ALL	638885.9	4268751	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2749	ALL	638925.9	4268751	8.89E-09	1YrCancerD	8.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2750	ALL	638965.9	4268751	7.96E-09	1YrCancerD	7.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2751	ALL	639005.9	4268751	7.24E-09	1YrCancerD	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2752	ALL	638085.9	4268791	5.06E-09	1YrCancerD	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2753	ALL	638125.9	4268791	5.22E-09	1YrCancerD	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2754	ALL	638165.9	4268791	5.43E-09	1YrCancerD	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2755	ALL	638205.9	4268791	5.70E-09	1YrCancerD	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2756	ALL	638245.9	4268791	6.06E-09	1YrCancerD	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2757	ALL	638285.9	4268791	6.55E-09	1YrCancerD	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2758	ALL	638325.9	4268791	7.23E-09	1YrCancerD	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2759	ALL	638365.9	4268791	8.23E-09	1YrCancerD	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2760	ALL	638405.9	4268791	9.75E-09	1YrCancerD	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2761	ALL	638445.9	4268791	1.22E-08	1YrCancerD	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2762	ALL	638685.9	4268791	3.96E-08	1YrCancerD	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2763	ALL	638725.9	4268791	2.59E-08	1YrCancerD	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2764	ALL	638765.9	4268791	1.90E-08	1YrCancerD	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2765	ALL	638805.9	4268791	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2766	ALL	638845.9	4268791	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2767	ALL	638885.9	4268791	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2768	ALL	638925.9	4268791	9.12E-09	1YrCancerD	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2769	ALL	638965.9	4268791	8.14E-09	1YrCancerD	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2770	ALL	639005.9	4268791	7.38E-09	1YrCancerD	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2771	ALL	638085.9	4268831	5.16E-09	1YrCancerD	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2772	ALL	638125.9	4268831	5.33E-09	1YrCancerD	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2773	ALL	638165.9	4268831	5.55E-09	1YrCancerD	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2774	ALL	638205.9	4268831	5.83E-09	1YrCancerD	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2775	ALL	638245.9	4268831	6.22E-09	1YrCancerD	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2776	ALL	638285.9	4268831	6.73E-09	1YrCancerD	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2777	ALL	638325.9	4268831	7.46E-09	1YrCancerD	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2778	ALL	638365.9	4268831	8.51E-09	1YrCancerD	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2779	ALL	638405.9	4268831	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2780	ALL	638445.9	4268831	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2781	ALL	638725.9	4268831	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2782	ALL	638765.9	4268831	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2783	ALL	638805.9	4268831	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2784	ALL	638845.9	4268831	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2785	ALL	638885.9	4268831	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2786	ALL	638925.9	4268831	9.36E-09	1YrCancerD	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2787	ALL	638965.9	4268831	8.33E-09	1YrCancerD	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2788	ALL	639005.9	4268831	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2789	ALL	638085.9	4268871	5.25E-09	1YrCancerD	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2790	ALL	638125.9	4268871	5.43E-09	1YrCancerD	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2791	ALL	638165.9	4268871	5.67E-09	1YrCancerD	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2792	ALL	638205.9	4268871	5.97E-09	1YrCancerD	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2793	ALL	638245.9	4268871	6.37E-09	1YrCancerD	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2794	ALL	638285.9	4268871	6.92E-09	1YrCancerD	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2795	ALL	638325.9	4268871	7.68E-09	1YrCancerD	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2796	ALL	638365.9	4268871	8.78E-09	1YrCancerD	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2797	ALL	638405.9	4268871	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2798	ALL	638445.9	4268871	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2799	ALL	638485.9	4268871	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2800	ALL	638725.9	4268871	2.68E-08	1YrCancerD	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2801	ALL	638765.9	4268871	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2802	ALL	638805.9	4268871	1.57E-08	1YrCancerD	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2803	ALL	638845.9	4268871	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2804	ALL	638885.9	4268871	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2805	ALL	638925.9	4268871	9.58E-09	1YrCancerD	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2806	ALL	638965.9	4268871	8.51E-09	1YrCancerD	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2807	ALL	639005.9	4268871	7.67E-09	1YrCancerD	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2808	ALL	638085.9	4268911	5.36E-09	1YrCancerD	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2809	ALL	638125.9	4268911	5.54E-09	1YrCancerD	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2810	ALL	638165.9	4268911	5.79E-09	1YrCancerD	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2811	ALL	638205.9	4268911	6.10E-09	1YrCancerD	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2812	ALL	638245.9	4268911	6.52E-09	1YrCancerD	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2813	ALL	638285.9	4268911	7.10E-09	1YrCancerD	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2814	ALL	638325.9	4268911	7.89E-09	1YrCancerD	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2815	ALL	638365.9	4268911	9.03E-09	1YrCancerD	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2816	ALL	638405.9	4268911	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2817	ALL	638445.9	4268911	1.33E-08	1YrCancerD	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2818	ALL	638485.9	4268911	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2819	ALL	638525.9	4268911	2.64E-08	1YrCancerD	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2820	ALL	638565.9	4268911	5.38E-08	1YrCancerD	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2821	ALL	638645.9	4268911	7.79E-08	1YrCancerD	7.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2822	ALL	638685.9	4268911	4.07E-08	1YrCancerD	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2823	ALL	638725.9	4268911	2.71E-08	1YrCancerD	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2824	ALL	638765.9	4268911	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2825	ALL	638805.9	4268911	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2826	ALL	638845.9	4268911	1.32E-08	1YrCancerD	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2827	ALL	638885.9	4268911	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2828	ALL	638925.9	4268911	9.79E-09	1YrCancerD	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2829	ALL	638965.9	4268911	8.68E-09	1YrCancerD	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2830	ALL	639005.9	4268911	7.81E-09	1YrCancerD	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2831	ALL	638645.9	4268951	7.78E-08	1YrCancerD	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2832	ALL	638685.9	4268951	4.09E-08	1YrCancerD	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2833	ALL	638725.9	4268951	2.74E-08	1YrCancerD	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2834	ALL	638765.9	4268951	2.05E-08	1YrCancerD	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2835	ALL	638805.9	4268951	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2836	ALL	638845.9	4268951	1.35E-08	1YrCancerD	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2837	ALL	638885.9	4268951	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2838	ALL	638925.9	4268951	9.99E-09	1YrCancerD	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2839	ALL	638965.9	4268951	8.85E-09	1YrCancerD	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2840	ALL	639005.9	4268951	7.95E-09	1YrCancerD	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2841	ALL	638845.9	4268991	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2842	ALL	638885.9	4268991	1.17E-08	1YrCancerD	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2843	ALL	638925.9	4268991	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2844	ALL	638965.9	4268991	9.01E-09	1YrCancerD	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2845	ALL	639005.9	4268991	8.08E-09	1YrCancerD	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2846	ALL	638165.9	4269271	6.86E-09	1YrCancerD	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2847	ALL	638205.9	4269271	7.26E-09	1YrCancerD	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2848	ALL	638245.9	4269271	7.79E-09	1YrCancerD	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2849	ALL	638285.9	4269271	8.47E-09	1YrCancerD	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2850	ALL	638325.9	4269271	9.36E-09	1YrCancerD	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2851	ALL	638365.9	4269271	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2852	ALL	637965.9	4269311	5.93E-09	1YrCancerD	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2853	ALL	638005.9	4269311	6.05E-09	1YrCancerD	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2854	ALL	638045.9	4269311	6.20E-09	1YrCancerD	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2855	ALL	638085.9	4269311	6.40E-09	1YrCancerD	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2856	ALL	638125.9	4269311	6.65E-09	1YrCancerD	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2857	ALL	638165.9	4269311	6.97E-09	1YrCancerD	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2858	ALL	638205.9	4269311	7.38E-09	1YrCancerD	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2859	ALL	638245.9	4269311	7.91E-09	1YrCancerD	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2860	ALL	638285.9	4269311	8.58E-09	1YrCancerD	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2861	ALL	638325.9	4269311	9.47E-09	1YrCancerD	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2862	ALL	638365.9	4269311	1.07E-08	1YrCancerD	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2863	ALL	638405.9	4269311	1.24E-08	1YrCancerD	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2864	ALL	638445.9	4269311	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2865	ALL	638485.9	4269311	1.94E-08	1YrCancerD	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2866	ALL	638525.9	4269311	2.83E-08	1YrCancerD	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2867	ALL	637925.9	4269351	5.95E-09	1YrCancerD	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2868	ALL	637965.9	4269351	6.04E-09	1YrCancerD	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2869	ALL	638005.9	4269351	6.16E-09	1YrCancerD	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2870	ALL	638125.9	4269351	6.76E-09	1YrCancerD	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2871	ALL	638165.9	4269351	7.09E-09	1YrCancerD	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2872	ALL	638205.9	4269351	7.50E-09	1YrCancerD	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2873	ALL	638245.9	4269351	8.02E-09	1YrCancerD	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2874	ALL	638285.9	4269351	8.70E-09	1YrCancerD	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2875	ALL	638325.9	4269351	9.59E-09	1YrCancerD	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2876	ALL	638485.9	4269351	1.95E-08	1YrCancerD	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2877	ALL	638525.9	4269351	2.85E-08	1YrCancerD	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2878	ALL	638565.9	4269351	5.70E-08	1YrCancerD	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2879	ALL	637885.9	4269391	5.99E-09	1YrCancerD	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2880	ALL	637925.9	4269391	6.06E-09	1YrCancerD	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2881	ALL	638005.9	4269391	6.26E-09	1YrCancerD	6.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2882	ALL	638045.9	4269391	6.42E-09	1YrCancerD	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2883	ALL	638085.9	4269391	6.62E-09	1YrCancerD	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2884	ALL	638125.9	4269391	6.87E-09	1YrCancerD	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2885	ALL	638165.9	4269391	7.20E-09	1YrCancerD	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2886	ALL	638205.9	4269391	7.61E-09	1YrCancerD	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2887	ALL	638245.9	4269391	8.13E-09	1YrCancerD	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2888	ALL	638285.9	4269391	8.81E-09	1YrCancerD	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2889	ALL	638325.9	4269391	9.69E-09	1YrCancerD	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2890	ALL	638365.9	4269391	1.09E-08	1YrCancerD	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2891	ALL	638405.9	4269391	1.26E-08	1YrCancerD	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2892	ALL	638445.9	4269391	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2893	ALL	638485.9	4269391	1.96E-08	1YrCancerD	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2894	ALL	638725.9	4269391	2.91E-08	1YrCancerD	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2895	ALL	638765.9	4269391	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2896	ALL	638805.9	4269391	1.79E-08	1YrCancerD	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2897	ALL	637845.9	4269431	6.06E-09	1YrCancerD	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2898	ALL	637885.9	4269431	6.10E-09	1YrCancerD	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2899	ALL	637965.9	4269431	6.26E-09	1YrCancerD	6.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2900	ALL	638005.9	4269431	6.37E-09	1YrCancerD	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2901	ALL	638045.9	4269431	6.53E-09	1YrCancerD	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2902	ALL	638085.9	4269431	6.73E-09	1YrCancerD	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2903	ALL	638125.9	4269431	6.98E-09	1YrCancerD	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2904	ALL	638165.9	4269431	7.31E-09	1YrCancerD	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2905	ALL	638205.9	4269431	7.72E-09	1YrCancerD	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2906	ALL	638245.9	4269431	8.24E-09	1YrCancerD	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2907	ALL	638285.9	4269431	8.91E-09	1YrCancerD	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2908	ALL	638325.9	4269431	9.80E-09	1YrCancerD	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2909	ALL	638365.9	4269431	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2910	ALL	638405.9	4269431	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2911	ALL	638445.9	4269431	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2912	ALL	638485.9	4269431	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2913	ALL	638525.9	4269431	2.87E-08	1YrCancerD	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2914	ALL	638565.9	4269431	5.73E-08	1YrCancerD	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2915	ALL	638765.9	4269431	2.23E-08	1YrCancerD	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2916	ALL	638805.9	4269431	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2917	ALL	638845.9	4269431	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2918	ALL	638885.9	4269431	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2919	ALL	638925.9	4269431	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2920	ALL	637805.9	4269471	6.16E-09	1YrCancerD	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2921	ALL	637885.9	4269471	6.22E-09	1YrCancerD	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2922	ALL	637925.9	4269471	6.28E-09	1YrCancerD	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2923	ALL	637965.9	4269471	6.37E-09	1YrCancerD	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2924	ALL	638005.9	4269471	6.49E-09	1YrCancerD	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2925	ALL	638045.9	4269471	6.64E-09	1YrCancerD	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2926	ALL	638085.9	4269471	6.84E-09	1YrCancerD	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2927	ALL	638125.9	4269471	7.10E-09	1YrCancerD	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2928	ALL	638165.9	4269471	7.42E-09	1YrCancerD	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2929	ALL	638205.9	4269471	7.83E-09	1YrCancerD	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2930	ALL	638245.9	4269471	8.35E-09	1YrCancerD	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2931	ALL	638285.9	4269471	9.02E-09	1YrCancerD	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2932	ALL	638325.9	4269471	9.90E-09	1YrCancerD	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2933	ALL	638365.9	4269471	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2934	ALL	638405.9	4269471	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2935	ALL	638445.9	4269471	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2936	ALL	638485.9	4269471	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2937	ALL	638525.9	4269471	2.88E-08	1YrCancerD	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2938	ALL	638565.9	4269471	5.75E-08	1YrCancerD	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2939	ALL	638725.9	4269471	2.93E-08	1YrCancerD	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2940	ALL	638845.9	4269471	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2941	ALL	638885.9	4269471	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2942	ALL	638925.9	4269471	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2943	ALL	638965.9	4269471	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2944	ALL	639005.9	4269471	8.92E-09	1YrCancerD	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2945	ALL	637765.9	4269511	6.29E-09	1YrCancerD	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2946	ALL	637805.9	4269511	6.29E-09	1YrCancerD	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2947	ALL	637845.9	4269511	6.31E-09	1YrCancerD	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2948	ALL	637885.9	4269511	6.35E-09	1YrCancerD	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2949	ALL	637925.9	4269511	6.41E-09	1YrCancerD	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2950	ALL	637965.9	4269511	6.49E-09	1YrCancerD	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2951	ALL	638005.9	4269511	6.61E-09	1YrCancerD	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2952	ALL	638045.9	4269511	6.76E-09	1YrCancerD	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2953	ALL	638085.9	4269511	6.96E-09	1YrCancerD	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2954	ALL	638125.9	4269511	7.21E-09	1YrCancerD	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2955	ALL	638165.9	4269511	7.53E-09	1YrCancerD	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2956	ALL	638205.9	4269511	7.93E-09	1YrCancerD	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2957	ALL	638245.9	4269511	8.45E-09	1YrCancerD	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2958	ALL	638285.9	4269511	9.12E-09	1YrCancerD	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2959	ALL	638325.9	4269511	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2960	ALL	638365.9	4269511	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2961	ALL	638405.9	4269511	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2962	ALL	638445.9	4269511	1.55E-08	1YrCancerD	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2963	ALL	638485.9	4269511	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2964	ALL	638525.9	4269511	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2965	ALL	638565.9	4269511	5.75E-08	1YrCancerD	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2966	ALL	638725.9	4269511	2.95E-08	1YrCancerD	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2967	ALL	638765.9	4269511	2.25E-08	1YrCancerD	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2968	ALL	638805.9	4269511	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2969	ALL	638845.9	4269511	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2970	ALL	638885.9	4269511	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2971	ALL	638925.9	4269511	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2972	ALL	638965.9	4269511	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2973	ALL	639005.9	4269511	8.91E-09	1YrCancerD	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2974	ALL	637765.9	4269551	6.43E-09	1YrCancerD	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2975	ALL	637805.9	4269551	6.43E-09	1YrCancerD	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2976	ALL	637845.9	4269551	6.44E-09	1YrCancerD	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2977	ALL	637885.9	4269551	6.48E-09	1YrCancerD	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2978	ALL	637925.9	4269551	6.53E-09	1YrCancerD	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2979	ALL	637965.9	4269551	6.62E-09	1YrCancerD	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2980	ALL	638005.9	4269551	6.73E-09	1YrCancerD	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2981	ALL	638045.9	4269551	6.88E-09	1YrCancerD	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2982	ALL	638085.9	4269551	7.07E-09	1YrCancerD	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2983	ALL	638125.9	4269551	7.32E-09	1YrCancerD	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2984	ALL	638165.9	4269551	7.64E-09	1YrCancerD	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2985	ALL	638205.9	4269551	8.04E-09	1YrCancerD	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2986	ALL	638245.9	4269551	8.56E-09	1YrCancerD	8.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2987	ALL	638285.9	4269551	9.23E-09	1YrCancerD	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2988	ALL	638325.9	4269551	1.01E-08	1YrCancerD	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2989	ALL	638365.9	4269551	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2990	ALL	638405.9	4269551	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2991	ALL	638445.9	4269551	1.56E-08	1YrCancerD	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2992	ALL	638485.9	4269551	1.99E-08	1YrCancerD	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2993	ALL	638525.9	4269551	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2994	ALL	638565.9	4269551	5.71E-08	1YrCancerD	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2995	ALL	638725.9	4269551	2.97E-08	1YrCancerD	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2996	ALL	638765.9	4269551	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2997	ALL	638805.9	4269551	1.83E-08	1YrCancerD	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2998	ALL	638885.9	4269551	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2999	ALL	638925.9	4269551	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3000	ALL	638965.9	4269551	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3001	ALL	639005.9	4269551	8.90E-09	1YrCancerD	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3002	ALL	637725.9	4269591	6.61E-09	1YrCancerD	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3003	ALL	637805.9	4269591	6.58E-09	1YrCancerD	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3004	ALL	637845.9	4269591	6.59E-09	1YrCancerD	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3005	ALL	637885.9	4269591	6.62E-09	1YrCancerD	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3006	ALL	637925.9	4269591	6.67E-09	1YrCancerD	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3007	ALL	638005.9	4269591	6.85E-09	1YrCancerD	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3008	ALL	638045.9	4269591	7.00E-09	1YrCancerD	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009	ALL	638085.9	4269591	7.19E-09	1YrCancerD	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010	ALL	638125.9	4269591	7.44E-09	1YrCancerD	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011	ALL	638165.9	4269591	7.75E-09	1YrCancerD	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012	ALL	638205.9	4269591	8.15E-09	1YrCancerD	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013	ALL	638245.9	4269591	8.67E-09	1YrCancerD	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014	ALL	638285.9	4269591	9.33E-09	1YrCancerD	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015	ALL	638325.9	4269591	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016	ALL	638365.9	4269591	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017	ALL	638405.9	4269591	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018	ALL	638485.9	4269591	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019	ALL	638565.9	4269591	5.63E-08	1YrCancerD	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020	ALL	638725.9	4269591	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021	ALL	637964.9	4269592	6.74E-09	1YrCancerD	6.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022	ALL	638645.4	4269592	8.25E-08	1YrCancerD	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023	ALL	638685.4	4269592	4.38E-08	1YrCancerD	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024	ALL	638765.4	4269592	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025	ALL	638805.4	4269592	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026	ALL	638885.4	4269592	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027	ALL	638925.4	4269592	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028	ALL	638965.4	4269592	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029	ALL	639005.4	4269592	8.88E-09	1YrCancerD	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030	ALL	638645.4	4269632	8.40E-08	1YrCancerD	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031	ALL	638685.4	4269632	4.42E-08	1YrCancerD	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032	ALL	638725.4	4269632	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033	ALL	638765.4	4269632	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034	ALL	638805.4	4269632	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3035	ALL	638845.4	4269632	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036	ALL	638885.4	4269632	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037	ALL	638925.4	4269632	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038	ALL	638965.4	4269632	9.96E-09	1YrCancerD	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039	ALL	639005.4	4269632	8.84E-09	1YrCancerD	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040	ALL	638645.4	4269672	8.55E-08	1YrCancerD	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041	ALL	638685.4	4269672	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042	ALL	638725.4	4269672	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043	ALL	638765.4	4269672	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044	ALL	638805.4	4269672	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045	ALL	638845.4	4269672	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046	ALL	638925.4	4269672	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047	ALL	638965.4	4269672	9.90E-09	1YrCancerD	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048	ALL	639005.4	4269672	8.79E-09	1YrCancerD	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049	ALL	638645.4	4269712	8.72E-08	1YrCancerD	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	ALL	638685.4	4269712	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	ALL	638725.4	4269712	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	ALL	638765.4	4269712	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	ALL	638805.4	4269712	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	ALL	638845.4	4269712	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	ALL	638925.4	4269712	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	ALL	638965.4	4269712	9.83E-09	1YrCancerD	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057	ALL	639005.4	4269712	8.73E-09	1YrCancerD	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	ALL	638645.4	4269752	8.86E-08	1YrCancerD	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059	ALL	638685.4	4269752	4.55E-08	1YrCancerD	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	ALL	638725.4	4269752	3.07E-08	1YrCancerD	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	ALL	638765.4	4269752	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	ALL	638805.4	4269752	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	ALL	638845.4	4269752	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	ALL	638925.4	4269752	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	ALL	638965.4	4269752	9.75E-09	1YrCancerD	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066	ALL	639005.4	4269752	8.66E-09	1YrCancerD	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067	ALL	638645.4	4269792	8.94E-08	1YrCancerD	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068	ALL	638685.4	4269792	4.58E-08	1YrCancerD	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069	ALL	638725.4	4269792	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070	ALL	638765.4	4269792	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071	ALL	638805.4	4269792	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072	ALL	638845.4	4269792	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073	ALL	638885.4	4269792	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074	ALL	638925.4	4269792	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075	ALL	638965.4	4269792	9.65E-09	1YrCancerD	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076	ALL	639005.4	4269792	8.57E-09	1YrCancerD	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077	ALL	638645.4	4269832	8.97E-08	1YrCancerD	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078	ALL	638685.4	4269832	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3079	ALL	638725.4	4269832	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	ALL	638765.4	4269832	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	ALL	638805.4	4269832	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	ALL	638845.4	4269832	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	ALL	638885.4	4269832	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	ALL	638965.4	4269832	9.55E-09	1YrCancerD	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	ALL	639005.4	4269832	8.48E-09	1YrCancerD	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	ALL	638645.4	4269872	8.99E-08	1YrCancerD	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	ALL	638685.4	4269872	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	ALL	638725.4	4269872	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	ALL	638765.4	4269872	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	ALL	638805.4	4269872	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	ALL	638845.4	4269872	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	ALL	638885.4	4269872	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	ALL	638965.4	4269872	9.42E-09	1YrCancerD	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	ALL	639005.4	4269872	8.38E-09	1YrCancerD	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	ALL	638645.4	4269912	9.01E-08	1YrCancerD	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	ALL	638685.4	4269912	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	ALL	638725.4	4269912	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	ALL	638765.4	4269912	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3099	ALL	638805.4	4269912	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3100	ALL	638845.4	4269912	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	ALL	638885.4	4269912	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3102	ALL	638965.4	4269912	9.29E-09	1YrCancerD	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3103	ALL	639005.4	4269912	8.27E-09	1YrCancerD	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3104	ALL	638645.4	4269952	9.03E-08	1YrCancerD	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3105	ALL	638685.4	4269952	4.64E-08	1YrCancerD	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3106	ALL	638725.4	4269952	3.08E-08	1YrCancerD	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3107	ALL	638765.4	4269952	2.26E-08	1YrCancerD	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3108	ALL	638805.4	4269952	1.76E-08	1YrCancerD	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3109	ALL	638845.4	4269952	1.44E-08	1YrCancerD	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3110	ALL	638885.4	4269952	1.21E-08	1YrCancerD	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3111	ALL	638925.4	4269952	1.04E-08	1YrCancerD	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3112	ALL	639005.4	4269952	8.15E-09	1YrCancerD	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3113	ALL	638645.4	4269992	9.06E-08	1YrCancerD	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3114	ALL	638685.4	4269992	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3115	ALL	638725.4	4269992	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3116	ALL	638765.4	4269992	2.22E-08	1YrCancerD	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3117	ALL	638805.4	4269992	1.73E-08	1YrCancerD	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3118	ALL	638845.4	4269992	1.41E-08	1YrCancerD	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3119	ALL	638885.4	4269992	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3120	ALL	638925.4	4269992	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3121	ALL	638965.4	4269992	8.99E-09	1YrCancerD	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3122	ALL	638645.4	4270032	9.09E-08	1YrCancerD	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3123	ALL	638685.4	4270032	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3124	ALL	638725.4	4270032	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3125	ALL	638765.4	4270032	2.16E-08	1YrCancerD	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3126	ALL	638805.4	4270032	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3127	ALL	638845.4	4270032	1.37E-08	1YrCancerD	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3128	ALL	638885.4	4270032	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3129	ALL	638925.4	4270032	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3130	ALL	638965.4	4270032	8.82E-09	1YrCancerD	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3131	ALL	639005.4	4270032	7.87E-09	1YrCancerD	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3132	ALL	638645.4	4270072	9.11E-08	1YrCancerD	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3133	ALL	638685.4	4270072	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3134	ALL	638725.4	4270072	2.89E-08	1YrCancerD	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3135	ALL	638765.4	4270072	2.09E-08	1YrCancerD	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3136	ALL	638805.4	4270072	1.63E-08	1YrCancerD	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3137	ALL	638845.4	4270072	1.34E-08	1YrCancerD	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3138	ALL	638885.4	4270072	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3139	ALL	638925.4	4270072	9.79E-09	1YrCancerD	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3140	ALL	638965.4	4270072	8.63E-09	1YrCancerD	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3141	ALL	639005.4	4270072	7.72E-09	1YrCancerD	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3142	ALL	638645.4	4270112	8.99E-08	1YrCancerD	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3143	ALL	638685.4	4270112	4.34E-08	1YrCancerD	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3144	ALL	638725.4	4270112	2.77E-08	1YrCancerD	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3145	ALL	638765.4	4270112	2.01E-08	1YrCancerD	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3146	ALL	638805.4	4270112	1.58E-08	1YrCancerD	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3147	ALL	638845.4	4270112	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3148	ALL	638885.4	4270112	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3149	ALL	638925.4	4270112	9.54E-09	1YrCancerD	9.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3150	ALL	638965.4	4270112	8.43E-09	1YrCancerD	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3151	ALL	639005.4	4270112	7.56E-09	1YrCancerD	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3152	ALL	638645.4	4270152	8.47E-08	1YrCancerD	8.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3153	ALL	638685.4	4270152	4.06E-08	1YrCancerD	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3154	ALL	638725.4	4270152	2.61E-08	1YrCancerD	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3155	ALL	638765.4	4270152	1.92E-08	1YrCancerD	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3156	ALL	638805.4	4270152	1.51E-08	1YrCancerD	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3157	ALL	638845.4	4270152	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3158	ALL	638885.4	4270152	1.06E-08	1YrCancerD	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3159	ALL	638925.4	4270152	9.28E-09	1YrCancerD	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3160	ALL	638965.4	4270152	8.22E-09	1YrCancerD	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3161	ALL	639005.4	4270152	7.39E-09	1YrCancerD	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3162	ALL	638645.4	4270192	7.29E-08	1YrCancerD	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3163	ALL	638685.4	4270192	3.69E-08	1YrCancerD	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3164	ALL	638725.4	4270192	2.44E-08	1YrCancerD	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3165	ALL	638765.4	4270192	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3166	ALL	638805.4	4270192	1.45E-08	1YrCancerD	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3167	ALL	638845.4	4270192	1.20E-08	1YrCancerD	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3168	ALL	638965.4	4270192	8.01E-09	1YrCancerD	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3169	ALL	639005.4	4270192	7.22E-09	1YrCancerD	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3170	ALL	638845.4	4270232	1.15E-08	1YrCancerD	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3171	ALL	638885.4	4270232	9.95E-09	1YrCancerD	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3172	ALL	638925.4	4270232	8.74E-09	1YrCancerD	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3173	ALL	638965.4	4270232	7.80E-09	1YrCancerD	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3174	ALL	639005.4	4270232	7.04E-09	1YrCancerD	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3175	ALL	638645.4	4270272	4.48E-08	1YrCancerD	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3176	ALL	638725.4	4270272	2.06E-08	1YrCancerD	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3177	ALL	638765.4	4270272	1.60E-08	1YrCancerD	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3178	ALL	638805.4	4270272	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3179	ALL	638845.4	4270272	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3180	ALL	639005.4	4270272	6.87E-09	1YrCancerD	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3181	ALL	638645.4	4270312	3.49E-08	1YrCancerD	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3182	ALL	638725.4	4270312	1.87E-08	1YrCancerD	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3183	ALL	638765.4	4270312	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3184	ALL	638925.4	4270312	8.20E-09	1YrCancerD	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3185	ALL	638965.4	4270312	7.38E-09	1YrCancerD	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3186	ALL	639005.4	4270312	6.70E-09	1YrCancerD	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3187	ALL	638645.4	4270352	2.80E-08	1YrCancerD	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3188	ALL	638685.4	4270352	2.14E-08	1YrCancerD	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3189	ALL	638725.4	4270352	1.70E-08	1YrCancerD	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3190	ALL	638765.4	4270352	1.39E-08	1YrCancerD	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3191	ALL	638805.4	4270352	1.18E-08	1YrCancerD	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3192	ALL	638925.4	4270352	7.94E-09	1YrCancerD	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3193	ALL	638965.4	4270352	7.17E-09	1YrCancerD	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3194	ALL	639005.4	4270352	6.53E-09	1YrCancerD	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3195	ALL	638645.4	4270392	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3008	ALL	638045.9	4269591	7.00E-09	1YrCancerD	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3009	ALL	638085.9	4269591	7.19E-09	1YrCancerD	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3010	ALL	638125.9	4269591	7.44E-09	1YrCancerD	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3011	ALL	638165.9	4269591	7.75E-09	1YrCancerD	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3012	ALL	638205.9	4269591	8.15E-09	1YrCancerD	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3013	ALL	638245.9	4269591	8.67E-09	1YrCancerD	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3014	ALL	638285.9	4269591	9.33E-09	1YrCancerD	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3015	ALL	638325.9	4269591	1.02E-08	1YrCancerD	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3016	ALL	638365.9	4269591	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3017	ALL	638405.9	4269591	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3018	ALL	638485.9	4269591	2.00E-08	1YrCancerD	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3019	ALL	638565.9	4269591	5.63E-08	1YrCancerD	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3020	ALL	638725.9	4269591	2.98E-08	1YrCancerD	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3021	ALL	637964.9	4269592	6.74E-09	1YrCancerD	6.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3022	ALL	638645.4	4269592	8.25E-08	1YrCancerD	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3023	ALL	638685.4	4269592	4.38E-08	1YrCancerD	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3024	ALL	638765.4	4269592	2.28E-08	1YrCancerD	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3025	ALL	638805.4	4269592	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3026	ALL	638885.4	4269592	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3027	ALL	638925.4	4269592	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3028	ALL	638965.4	4269592	1.00E-08	1YrCancerD	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3029	ALL	639005.4	4269592	8.88E-09	1YrCancerD	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3030	ALL	638645.4	4269632	8.40E-08	1YrCancerD	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3031	ALL	638685.4	4269632	4.42E-08	1YrCancerD	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3032	ALL	638725.4	4269632	3.02E-08	1YrCancerD	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3033	ALL	638765.4	4269632	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3034	ALL	638805.4	4269632	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3035	ALL	638845.4	4269632	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3036	ALL	638885.4	4269632	1.31E-08	1YrCancerD	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3037	ALL	638925.4	4269632	1.14E-08	1YrCancerD	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3038	ALL	638965.4	4269632	9.96E-09	1YrCancerD	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3039	ALL	639005.4	4269632	8.84E-09	1YrCancerD	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3040	ALL	638645.4	4269672	8.55E-08	1YrCancerD	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3041	ALL	638685.4	4269672	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3042	ALL	638725.4	4269672	3.04E-08	1YrCancerD	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3043	ALL	638765.4	4269672	2.30E-08	1YrCancerD	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3044	ALL	638805.4	4269672	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3045	ALL	638845.4	4269672	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3046	ALL	638925.4	4269672	1.13E-08	1YrCancerD	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3047	ALL	638965.4	4269672	9.90E-09	1YrCancerD	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3048	ALL	639005.4	4269672	8.79E-09	1YrCancerD	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3049	ALL	638645.4	4269712	8.72E-08	1YrCancerD	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3050	ALL	638685.4	4269712	4.51E-08	1YrCancerD	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3051	ALL	638725.4	4269712	3.06E-08	1YrCancerD	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3052	ALL	638765.4	4269712	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3053	ALL	638805.4	4269712	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3054	ALL	638845.4	4269712	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3055	ALL	638925.4	4269712	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3056	ALL	638965.4	4269712	9.83E-09	1YrCancerD	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3057	ALL	639005.4	4269712	8.73E-09	1YrCancerD	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3058	ALL	638645.4	4269752	8.86E-08	1YrCancerD	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3059	ALL	638685.4	4269752	4.55E-08	1YrCancerD	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3060	ALL	638725.4	4269752	3.07E-08	1YrCancerD	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3061	ALL	638765.4	4269752	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3062	ALL	638805.4	4269752	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3063	ALL	638845.4	4269752	1.53E-08	1YrCancerD	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3064	ALL	638925.4	4269752	1.11E-08	1YrCancerD	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3065	ALL	638965.4	4269752	9.75E-09	1YrCancerD	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3066	ALL	639005.4	4269752	8.66E-09	1YrCancerD	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3067	ALL	638645.4	4269792	8.94E-08	1YrCancerD	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3068	ALL	638685.4	4269792	4.58E-08	1YrCancerD	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3069	ALL	638725.4	4269792	3.09E-08	1YrCancerD	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3070	ALL	638765.4	4269792	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3071	ALL	638805.4	4269792	1.85E-08	1YrCancerD	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3072	ALL	638845.4	4269792	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3073	ALL	638885.4	4269792	1.28E-08	1YrCancerD	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3074	ALL	638925.4	4269792	1.10E-08	1YrCancerD	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3075	ALL	638965.4	4269792	9.65E-09	1YrCancerD	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3076	ALL	639005.4	4269792	8.57E-09	1YrCancerD	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3077	ALL	638645.4	4269832	8.97E-08	1YrCancerD	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3078	ALL	638685.4	4269832	4.60E-08	1YrCancerD	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3079	ALL	638725.4	4269832	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3080	ALL	638765.4	4269832	2.32E-08	1YrCancerD	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3081	ALL	638805.4	4269832	1.84E-08	1YrCancerD	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3082	ALL	638845.4	4269832	1.50E-08	1YrCancerD	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3083	ALL	638885.4	4269832	1.27E-08	1YrCancerD	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3084	ALL	638965.4	4269832	9.55E-09	1YrCancerD	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3085	ALL	639005.4	4269832	8.48E-09	1YrCancerD	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3086	ALL	638645.4	4269872	8.99E-08	1YrCancerD	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3087	ALL	638685.4	4269872	4.62E-08	1YrCancerD	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3088	ALL	638725.4	4269872	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3089	ALL	638765.4	4269872	2.31E-08	1YrCancerD	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3090	ALL	638805.4	4269872	1.82E-08	1YrCancerD	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3091	ALL	638845.4	4269872	1.49E-08	1YrCancerD	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3092	ALL	638885.4	4269872	1.25E-08	1YrCancerD	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3093	ALL	638965.4	4269872	9.42E-09	1YrCancerD	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3094	ALL	639005.4	4269872	8.38E-09	1YrCancerD	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3095	ALL	638645.4	4269912	9.01E-08	1YrCancerD	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3096	ALL	638685.4	4269912	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3097	ALL	638725.4	4269912	3.10E-08	1YrCancerD	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3098	ALL	638765.4	4269912	2.29E-08	1YrCancerD	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3099	ALL	638805.4	4269912	1.80E-08	1YrCancerD	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3100	ALL	638845.4	4269912	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3101	ALL	638885.4	4269912	1.23E-08	1YrCancerD	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3290	ALL	638805.4	4270832	6.21E-09	1YrCancerD	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3291	ALL	638845.4	4270832	5.92E-09	1YrCancerD	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3292	ALL	638885.4	4270832	5.65E-09	1YrCancerD	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3293	ALL	638925.4	4270832	5.38E-09	1YrCancerD	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3294	ALL	638645.4	4270872	7.04E-09	1YrCancerD	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3295	ALL	638685.4	4270872	6.75E-09	1YrCancerD	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3296	ALL	638725.4	4270872	6.47E-09	1YrCancerD	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3297	ALL	638765.4	4270872	6.21E-09	1YrCancerD	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3298	ALL	638805.4	4270872	5.95E-09	1YrCancerD	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3299	ALL	638845.4	4270872	5.70E-09	1YrCancerD	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3300	ALL	638885.4	4270872	5.45E-09	1YrCancerD	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3301	ALL	638925.4	4270872	5.21E-09	1YrCancerD	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3302	ALL	638965.4	4270872	4.98E-09	1YrCancerD	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3303	ALL	638645.4	4270912	6.69E-09	1YrCancerD	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3304	ALL	638685.4	4270912	6.42E-09	1YrCancerD	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3305	ALL	638725.4	4270912	6.18E-09	1YrCancerD	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3306	ALL	638765.4	4270912	5.95E-09	1YrCancerD	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3307	ALL	638805.4	4270912	5.72E-09	1YrCancerD	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3308	ALL	638845.4	4270912	5.50E-09	1YrCancerD	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3309	ALL	638885.4	4270912	5.27E-09	1YrCancerD	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3310	ALL	638925.4	4270912	5.06E-09	1YrCancerD	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3311	ALL	638965.4	4270912	4.85E-09	1YrCancerD	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3312	ALL	639005.4	4270912	4.64E-09	1YrCancerD	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3313	ALL	638645.4	4270952	6.38E-09	1YrCancerD	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3314	ALL	638685.4	4270952	6.14E-09	1YrCancerD	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3315	ALL	638725.4	4270952	5.92E-09	1YrCancerD	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3316	ALL	638765.4	4270952	5.71E-09	1YrCancerD	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3317	ALL	638805.4	4270952	5.51E-09	1YrCancerD	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3318	ALL	638845.4	4270952	5.31E-09	1YrCancerD	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3319	ALL	638885.4	4270952	5.10E-09	1YrCancerD	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3320	ALL	638925.4	4270952	4.91E-09	1YrCancerD	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3321	ALL	638965.4	4270952	4.72E-09	1YrCancerD	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3322	ALL	639005.4	4270952	4.53E-09	1YrCancerD	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3323	ALL	638645.4	4270992	6.10E-09	1YrCancerD	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3324	ALL	638685.4	4270992	5.88E-09	1YrCancerD	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3325	ALL	638725.4	4270992	5.68E-09	1YrCancerD	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3326	ALL	638765.4	4270992	5.49E-09	1YrCancerD	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3327	ALL	638805.4	4270992	5.31E-09	1YrCancerD	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3328	ALL	638845.4	4270992	5.13E-09	1YrCancerD	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3329	ALL	638885.4	4270992	4.95E-09	1YrCancerD	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3330	ALL	638925.4	4270992	4.77E-09	1YrCancerD	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3331	ALL	638965.4	4270992	4.59E-09	1YrCancerD	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3332	ALL	639005.4	4270992	4.42E-09	1YrCancerD	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3333	ALL	638645.4	4271032	5.85E-09	1YrCancerD	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3334	ALL	638685.4	4271032	5.65E-09	1YrCancerD	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3335	ALL	638725.4	4271032	5.47E-09	1YrCancerD	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3336	ALL	638765.4	4271032	5.29E-09	1YrCancerD	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3337	ALL	638805.4	4271032	5.13E-09	1YrCancerD	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3338	ALL	638845.4	4271032	4.96E-09	1YrCancerD	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3339	ALL	638885.4	4271032	4.80E-09	1YrCancerD	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3340	ALL	638925.4	4271032	4.63E-09	1YrCancerD	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3341	ALL	638965.4	4271032	4.47E-09	1YrCancerD	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3342	ALL	639005.4	4271032	4.31E-09	1YrCancerD	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3343	ALL	638645.4	4271072	5.63E-09	1YrCancerD	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3344	ALL	638685.4	4271072	5.44E-09	1YrCancerD	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3345	ALL	638725.4	4271072	5.27E-09	1YrCancerD	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3346	ALL	638765.4	4271072	5.11E-09	1YrCancerD	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3347	ALL	638805.4	4271072	4.96E-09	1YrCancerD	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3348	ALL	638845.4	4271072	4.81E-09	1YrCancerD	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3349	ALL	638885.4	4271072	4.65E-09	1YrCancerD	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3350	ALL	638925.4	4271072	4.50E-09	1YrCancerD	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3351	ALL	638965.4	4271072	4.35E-09	1YrCancerD	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3352	ALL	639005.4	4271072	4.20E-09	1YrCancerD	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3353	ALL	638645.4	4271112	5.42E-09	1YrCancerD	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3354	ALL	638685.4	4271112	5.25E-09	1YrCancerD	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3355	ALL	638725.4	4271112	5.09E-09	1YrCancerD	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3356	ALL	638765.4	4271112	4.95E-09	1YrCancerD	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3357	ALL	638805.4	4271112	4.80E-09	1YrCancerD	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3358	ALL	638845.4	4271112	4.66E-09	1YrCancerD	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3359	ALL	638885.4	4271112	4.52E-09	1YrCancerD	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3360	ALL	638925.4	4271112	4.38E-09	1YrCancerD	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3361	ALL	638965.4	4271112	4.24E-09	1YrCancerD	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3362	ALL	639005.4	4271112	4.10E-09	1YrCancerD	4.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3363	ALL	638605.5	4270391	3.00E-08	1YrCancerD	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3364	ALL	638605.5	4270431	2.39E-08	1YrCancerD	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3365	ALL	638605.5	4270471	1.98E-08	1YrCancerD	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3366	ALL	638605.5	4270511	1.68E-08	1YrCancerD	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3367	ALL	638605.5	4270551	1.46E-08	1YrCancerD	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3368	ALL	638605.5	4270591	1.29E-08	1YrCancerD	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3369	ALL	638605.5	4270631	1.16E-08	1YrCancerD	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3370	ALL	638605.5	4270671	1.05E-08	1YrCancerD	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3371	ALL	638605.5	4270711	9.66E-09	1YrCancerD	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3372	ALL	638605.5	4270791	8.33E-09	1YrCancerD	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3373	ALL	638605.5	4270831	7.82E-09	1YrCancerD	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3374	ALL	638605.5	4270871	7.37E-09	1YrCancerD	7.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3375	ALL	638605.5	4270911	6.99E-09	1YrCancerD	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3376	ALL	638605.5	4270951	6.64E-09	1YrCancerD	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3377	ALL	638605.5	4270991	6.34E-09	1YrCancerD	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3378	ALL	638605.5	4271031	6.07E-09	1YrCancerD	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3379	ALL	638605.5	4271071	5.83E-09	1YrCancerD	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3380	ALL	638605.5	4271111	5.62E-09	1YrCancerD	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3381	ALL	637060.5	4271428	7.88E-08	1YrCancerD	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3382	ALL	637144.2	4271358	1.16E-07	1YrCancerD	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3383	ALL	637162.3	4271343	1.14E-07	1YrCancerD	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3384	ALL	637135.1	4271307	9.87E-08	1YrCancerD	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3385	ALL	637139.6	4271298	1.04E-07	1YrCancerD	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3386	ALL	637089.7	4271237	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3387	ALL	637081.2	4271244	9.46E-08	1YrCancerD	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3388	ALL	637067.6	4271230	7.19E-08	1YrCancerD	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3389	ALL	637059.8	4271239	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3390	ALL	637073.4	4271250	1.06E-07	1YrCancerD	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3391	ALL	637066.3	4271259	7.66E-08	1YrCancerD	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3392	ALL	637118.9	4271320	9.11E-08	1YrCancerD	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3393	ALL	637127.9	4271314	1.03E-07	1YrCancerD	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3394	ALL	637148.7	4271344	1.61E-07	1YrCancerD	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3395	ALL	637056.6	4271416	9.97E-08	1YrCancerD	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3396	ALL	637022.2	4271432	1.05E-07	1YrCancerD	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3397	ALL	636978.7	4271446	1.07E-07	1YrCancerD	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3398	ALL	636956	4271450	8.95E-08	1YrCancerD	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3399	ALL	636917.7	4271450	8.31E-08	1YrCancerD	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3400	ALL	636833.3	4271442	8.27E-08	1YrCancerD	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3401	ALL	636745.1	4271434	5.77E-08	1YrCancerD	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3402	ALL	636680.8	4271428	5.74E-08	1YrCancerD	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3403	ALL	636581.4	4271418	8.12E-08	1YrCancerD	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3404	ALL	636489.3	4271410	7.94E-08	1YrCancerD	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3405	ALL	636414.7	4271412	6.43E-08	1YrCancerD	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3406	ALL	636354.7	4271415	1.01E-07	1YrCancerD	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3407	ALL	636300.6	4271426	9.30E-08	1YrCancerD	9.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3408	ALL	636223.1	4271438	1.14E-07	1YrCancerD	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3409	ALL	636094.4	4271457	9.21E-08	1YrCancerD	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3410	ALL	636012.5	4271475	9.77E-08	1YrCancerD	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3411	ALL	635929.3	4271499	1.09E-07	1YrCancerD	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3412	ALL	635832.8	4271537	1.00E-07	1YrCancerD	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3413	ALL	635781.6	4271559	1.22E-07	1YrCancerD	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3414	ALL	635723.1	4271595	1.58E-07	1YrCancerD	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3415	ALL	635651.4	4271654	2.49E-07	1YrCancerD	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3416	ALL	635569.5	4271717	1.01E-06	1YrCancerD	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3417	ALL	635497.9	4271763	9.54E-07	1YrCancerD	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3418	ALL	635436.4	4271813	9.31E-07	1YrCancerD	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3419	ALL	635348.7	4271899	9.15E-07	1YrCancerD	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3420	ALL	635268.2	4271978	9.13E-07	1YrCancerD	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3421	ALL	635193.6	4272049	1.13E-06	1YrCancerD	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3422	ALL	635154.1	4272082	1.57E-06	1YrCancerD	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3423	ALL	635102.9	4272027	3.42E-07	1YrCancerD	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3424	ALL	635079.5	4272063	4.10E-07	1YrCancerD	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3425	ALL	635082.5	4272094	6.68E-07	1YrCancerD	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3426	ALL	635098.5	4272123	1.51E-06	1YrCancerD	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3427	ALL	634974.2	4272202	3.17E-07	1YrCancerD	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3428	ALL	634974.2	4272285	3.07E-07	1YrCancerD	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3429	ALL	634930.3	4272331	1.26E-07	1YrCancerD	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3430	ALL	634921.6	4272321	1.15E-07	1YrCancerD	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3431	ALL	634928.9	4272305	1.30E-07	1YrCancerD	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3432	ALL	634934.7	4272290	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3433	ALL	634931.8	4272284	1.39E-07	1YrCancerD	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3434	ALL	634917.2	4272306	1.12E-07	1YrCancerD	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3435	ALL	634904	4272329	9.40E-08	1YrCancerD	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3436	ALL	634871.5	4272349	6.89E-08	1YrCancerD	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3437	ALL	634810	4272378	4.47E-08	1YrCancerD	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3438	ALL	634769.1	4272390	3.56E-08	1YrCancerD	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3439	ALL	634694.5	4272382	2.52E-08	1YrCancerD	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3440	ALL	634631.6	4272373	1.97E-08	1YrCancerD	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3441	ALL	634552.6	4272366	1.52E-08	1YrCancerD	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3442	ALL	634441.4	4272325	1.12E-08	1YrCancerD	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3443	ALL	634296.6	4272265	8.21E-09	1YrCancerD	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3444	ALL	634129.9	4272188	6.11E-09	1YrCancerD	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3445	ALL	634042.1	4272147	5.34E-09	1YrCancerD	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3446	ALL	633982.4	4272112	4.87E-09	1YrCancerD	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3447	ALL	633962.5	4272091	4.72E-09	1YrCancerD	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3448	ALL	633951.3	4272065	4.61E-09	1YrCancerD	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3449	ALL	633941.4	4272028	4.52E-09	1YrCancerD	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3450	ALL	633933.9	4272002	4.46E-09	1YrCancerD	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3451	ALL	633921.5	4271976	4.38E-09	1YrCancerD	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3452	ALL	633901.6	4271956	4.26E-09	1YrCancerD	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3453	ALL	633868	4271941	4.09E-09	1YrCancerD	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3454	ALL	633827	4271932	3.90E-09	1YrCancerD	3.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3455	ALL	633808.3	4271923	3.82E-09	1YrCancerD	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3456	ALL	633788.4	4271908	3.73E-09	1YrCancerD	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3457	ALL	633774.8	4271891	3.66E-09	1YrCancerD	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3458	ALL	633753.6	4271828	3.53E-09	1YrCancerD	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3459	ALL	633710.1	4271691	3.24E-09	1YrCancerD	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3460	ALL	633693.3	4271700	3.20E-09	1YrCancerD	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3461	ALL	633765.1	4271899	3.63E-09	1YrCancerD	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3462	ALL	633786.5	4271929	3.74E-09	1YrCancerD	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3463	ALL	633803.3	4271938	3.81E-09	1YrCancerD	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3464	ALL	633831.6	4271943	3.93E-09	1YrCancerD	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3465	ALL	633860.6	4271947	4.06E-09	1YrCancerD	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3466	ALL	633881.9	4271953	4.16E-09	1YrCancerD	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3467	ALL	633908.7	4271973	4.31E-09	1YrCancerD	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3468	ALL	633921.7	4271994	4.39E-09	1YrCancerD	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3469	ALL	633931.6	4272031	4.46E-09	1YrCancerD	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3470	ALL	633937.7	4272053	4.52E-09	1YrCancerD	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3471	ALL	633918.6	4272053	4.42E-09	1YrCancerD	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3472	ALL	633911.7	4272097	4.47E-09	1YrCancerD	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3473	ALL	633956	4272101	4.70E-09	1YrCancerD	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3474	ALL	634007.9	4272137	5.09E-09	1YrCancerD	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3475	ALL	634056.8	4272161	5.47E-09	1YrCancerD	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3476	ALL	634114.1	4272190	5.97E-09	1YrCancerD	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3477	ALL	634214.9	4272236	7.07E-09	1YrCancerD	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3478	ALL	634313.7	4272280	8.50E-09	1YrCancerD	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3479	ALL	634496.1	4272359	1.30E-08	1YrCancerD	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3480	ALL	634555.3	4272375	1.54E-08	1YrCancerD	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3481	ALL	634638	4272385	2.02E-08	1YrCancerD	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3482	ALL	634746.7	4272396	3.19E-08	1YrCancerD	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3483	ALL	634773.2	4272395	3.64E-08	1YrCancerD	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3484	ALL	634790.1	4272394	3.98E-08	1YrCancerD	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3485	ALL	634810.9	4272389	4.48E-08	1YrCancerD	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3486	ALL	634828.4	4272381	5.00E-08	1YrCancerD	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3487	ALL	634845.9	4272371	5.63E-08	1YrCancerD	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3488	ALL	634857.6	4272363	6.14E-08	1YrCancerD	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3489	ALL	634873.2	4272356	6.95E-08	1YrCancerD	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3490	ALL	634888.1	4272350	7.92E-08	1YrCancerD	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3491	ALL	634923.2	4272339	1.14E-07	1YrCancerD	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3492	ALL	634929	4272338	1.22E-07	1YrCancerD	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3493	ALL	634948.5	4272324	1.61E-07	1YrCancerD	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3494	ALL	634975.1	4272301	2.69E-07	1YrCancerD	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3495	ALL	634991.3	4272270	5.65E-07	1YrCancerD	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3496	ALL	635047.8	4272254	1.19E-06	1YrCancerD	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3497	ALL	635110.7	4272224	1.33E-06	1YrCancerD	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3498	ALL	635172.2	4272170	1.45E-06	1YrCancerD	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3499	ALL	635251.2	4272096	1.24E-06	1YrCancerD	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3500	ALL	635343.3	4272006	1.13E-06	1YrCancerD	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3501	ALL	635421.9	4271924	1.17E-06	1YrCancerD	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3502	ALL	635515.5	4271825	1.20E-06	1YrCancerD	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3503	ALL	635571.1	4271790	1.08E-06	1YrCancerD	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3504	ALL	635606.2	4271772	6.43E-07	1YrCancerD	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3505	ALL	635606.2	4271733	1.01E-06	1YrCancerD	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3506	ALL	635629.6	4271717	3.71E-07	1YrCancerD	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3507	ALL	635620.9	4271693	4.50E-07	1YrCancerD	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3508	ALL	635689.4	4271635	2.08E-07	1YrCancerD	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3509	ALL	635729.6	4271600	1.44E-07	1YrCancerD	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3510	ALL	635767.6	4271576	1.28E-07	1YrCancerD	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3511	ALL	635798.4	4271561	1.17E-07	1YrCancerD	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3512	ALL	635851.6	4271538	1.02E-07	1YrCancerD	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3513	ALL	635882.7	4271524	9.81E-08	1YrCancerD	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3514	ALL	635911.8	4271512	9.00E-08	1YrCancerD	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3515	ALL	635954.5	4271499	8.77E-08	1YrCancerD	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3516	ALL	636030.9	4271478	8.34E-08	1YrCancerD	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3517	ALL	636077.5	4271468	5.97E-08	1YrCancerD	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3518	ALL	636174.5	4271456	6.99E-08	1YrCancerD	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3519	ALL	636228.7	4271448	5.35E-08	1YrCancerD	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3520	ALL	636300.5	4271434	6.87E-08	1YrCancerD	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3521	ALL	636374.6	4271422	6.67E-08	1YrCancerD	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3522	ALL	636470.9	4271418	4.86E-08	1YrCancerD	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3523	ALL	636535	4271420	6.20E-08	1YrCancerD	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3524	ALL	636617.5	4271428	6.51E-08	1YrCancerD	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3525	ALL	636772.2	4271443	6.19E-08	1YrCancerD	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3526	ALL	636825	4271449	4.63E-08	1YrCancerD	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3527	ALL	636866.2	4271452	4.68E-08	1YrCancerD	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3528	ALL	636909.6	4271457	7.29E-08	1YrCancerD	7.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3529	ALL	636940.2	4271459	6.39E-08	1YrCancerD	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3530	ALL	636961.4	4271458	6.89E-08	1YrCancerD	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3531	ALL	637012.1	4271446	7.12E-08	1YrCancerD	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEV	RESP	SKIN	EYE	BONE/TEE	TENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		636686.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
2	ALL		636726.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06
3	ALL		636766.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06
4	ALL		637126.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
5	ALL		637166.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
6	ALL		637206.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
7	ALL		637246.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
8	ALL		637286.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
9	ALL		637326.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-06
10	ALL		638446.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
11	ALL		638526.2	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
12	ALL		636766.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
13	ALL		637166.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
14	ALL		637206.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
15	ALL		637246.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
16	ALL		637286.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06
17	ALL		637326.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
18	ALL		637726.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-06
19	ALL		637766.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06
20	ALL		637806.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06
21	ALL		637846.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-06
22	ALL		637886.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06
23	ALL		637926.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06
24	ALL		637966.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-06
25	ALL		638006.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06
26	ALL		638046.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06
27	ALL		638086.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
28	ALL		638126.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-06
29	ALL		638166.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06
30	ALL		638206.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
31	ALL		638246.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
32	ALL		638286.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
33	ALL		638326.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
34	ALL		638366.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
35	ALL		638406.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
36	ALL		638446.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
37	ALL		638486.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
38	ALL		638526.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
39	ALL		638566.2	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
40	ALL		636686.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
41	ALL		636726.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
42	ALL		637206.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
43	ALL		637246.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
44	ALL		637286.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
45	ALL		637326.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06
46	ALL		637366.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
47	ALL		637686.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06
48	ALL		637766.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-06
49	ALL		637806.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06
50	ALL		637846.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06
51	ALL		637886.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-06
52	ALL		637926.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06
53	ALL		637966.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
54	ALL		638006.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
55	ALL		638046.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06
56	ALL		638086.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06
57	ALL		638126.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-06
58	ALL		638166.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-06
59	ALL		638206.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
60	ALL		638246.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
61	ALL		638286.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
62	ALL		638326.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
63	ALL		638366.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
64	ALL		638406.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
65	ALL		638446.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
66	ALL		638486.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
67	ALL		638526.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
68	ALL		638566.2	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
69	ALL		636686.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06
70	ALL		636726.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
71	ALL		636766.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
72	ALL		637286.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
73	ALL		637326.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
74	ALL		637366.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
75	ALL		637686.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
76	ALL		637766.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06
77	ALL		637806.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06
78	ALL		637846.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
79	ALL		637886.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06
80	ALL		637926.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
81	ALL		637966.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-06
82	ALL		638006.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-06
83	ALL		638046.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06
84	ALL		638086.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06
85	ALL		638126.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06
86	ALL		638166.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-06
87	ALL		638206.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
88	ALL		638246.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
89	ALL		638286.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
90	ALL		638326.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
91	ALL		638366.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
92	ALL		638406.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
93	ALL		638446.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05

94	ALL	638486.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
95	ALL	638526.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
96	ALL	638566.2	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
97	ALL	636646.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06
98	ALL	636686.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
99	ALL	636726.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
100	ALL	636766.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
101	ALL	636806.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
102	ALL	637086.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
103	ALL	637126.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
104	ALL	637286.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
105	ALL	637326.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
106	ALL	637686.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
107	ALL	637726.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06
108	ALL	637766.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06
109	ALL	637806.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06
110	ALL	637846.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-06
111	ALL	637886.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06
112	ALL	637926.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06
113	ALL	637966.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-06
114	ALL	638006.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06
115	ALL	638046.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06
116	ALL	638086.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
117	ALL	638126.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-06
118	ALL	638166.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
119	ALL	638206.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
120	ALL	638246.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
121	ALL	638286.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
122	ALL	638326.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
123	ALL	638366.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
124	ALL	638406.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
125	ALL	638446.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
126	ALL	638486.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
127	ALL	638526.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
128	ALL	638566.2	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
129	ALL	636646.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
130	ALL	636686.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
131	ALL	636726.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
132	ALL	636766.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
133	ALL	636806.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
134	ALL	636846.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
135	ALL	637046.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
136	ALL	637086.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
137	ALL	637126.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
138	ALL	637166.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
139	ALL	637286.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
140	ALL	637326.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
141	ALL	637646.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
142	ALL	637686.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-06
143	ALL	637726.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
144	ALL	637766.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
145	ALL	637806.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-06
146	ALL	637846.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-06
147	ALL	637886.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06
148	ALL	637926.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06
149	ALL	637966.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
150	ALL	638006.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-06
151	ALL	638046.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
152	ALL	638086.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-06
153	ALL	638126.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06
154	ALL	638166.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
155	ALL	638206.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
156	ALL	638246.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
157	ALL	638286.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
158	ALL	638326.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
159	ALL	638366.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
160	ALL	638406.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
161	ALL	638446.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
162	ALL	638526.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
163	ALL	638566.2	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
164	ALL	636646.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
165	ALL	636686.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
166	ALL	636726.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
167	ALL	636766.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
168	ALL	636806.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
169	ALL	636846.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
170	ALL	637006.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
171	ALL	637046.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
172	ALL	637086.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
173	ALL	637126.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
174	ALL	637166.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
175	ALL	637206.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
176	ALL	637246.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
177	ALL	637286.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
178	ALL	637326.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
179	ALL	637646.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
180	ALL	637686.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-06
181	ALL	637726.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-06
182	ALL	637766.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
183	ALL	637806.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-06
184	ALL	637846.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06
185	ALL	637886.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06
186	ALL	637926.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-06
187	ALL	637966.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-06

188	ALL	638006.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-06
189	ALL	638046.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06
190	ALL	638086.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06
191	ALL	638126.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
192	ALL	638166.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
193	ALL	638206.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
194	ALL	638246.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
195	ALL	638286.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
196	ALL	638326.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
197	ALL	638366.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
198	ALL	638406.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
199	ALL	638446.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
200	ALL	638526.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
201	ALL	638566.2	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
202	ALL	636646.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
203	ALL	636686.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
204	ALL	636726.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
205	ALL	636766.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
206	ALL	636806.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
207	ALL	636846.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
208	ALL	637006.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
209	ALL	637046.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
210	ALL	637086.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
211	ALL	637126.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
212	ALL	637166.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
213	ALL	637206.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
214	ALL	637246.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
215	ALL	637286.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
216	ALL	637646.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
217	ALL	637686.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
218	ALL	637726.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
219	ALL	637766.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
220	ALL	637806.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06
221	ALL	637846.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06
222	ALL	637886.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06
223	ALL	637926.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
224	ALL	637966.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
225	ALL	638006.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06
226	ALL	638046.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06
227	ALL	638086.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
228	ALL	638126.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
229	ALL	638166.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
230	ALL	638206.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
231	ALL	638246.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
232	ALL	638286.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
233	ALL	638326.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
234	ALL	638366.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
235	ALL	638406.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
236	ALL	638446.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
237	ALL	638486.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
238	ALL	638526.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
239	ALL	638566.2	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
240	ALL	636646.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
241	ALL	636686.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
242	ALL	636726.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
243	ALL	636766.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
244	ALL	636806.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
245	ALL	637046.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
246	ALL	637086.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
247	ALL	637126.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
248	ALL	637166.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
249	ALL	637206.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
250	ALL	637246.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
251	ALL	637286.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
252	ALL	637646.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
253	ALL	637686.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
254	ALL	637726.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
255	ALL	637766.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
256	ALL	637806.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
257	ALL	637846.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
258	ALL	637886.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
259	ALL	637926.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-06
260	ALL	637966.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06
261	ALL	638006.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
262	ALL	638046.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
263	ALL	638086.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
264	ALL	638126.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
265	ALL	638166.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
266	ALL	638206.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
267	ALL	638246.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
268	ALL	638286.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
269	ALL	638326.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
270	ALL	638366.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
271	ALL	638406.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
272	ALL	638446.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
273	ALL	638486.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
274	ALL	638526.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
275	ALL	638566.2	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
276	ALL	636646.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
277	ALL	636686.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
278	ALL	636726.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
279	ALL	636766.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
280	ALL	636806.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
281	ALL	637086.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05

282	ALL	637126.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
283	ALL	637166.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
284	ALL	637206.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
285	ALL	637246.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
286	ALL	637286.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
287	ALL	637606.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
288	ALL	637646.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
289	ALL	637686.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
290	ALL	637726.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
291	ALL	637766.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
292	ALL	637806.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
293	ALL	637846.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
294	ALL	637886.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
295	ALL	637926.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
296	ALL	637966.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
297	ALL	638006.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
298	ALL	638046.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
299	ALL	638086.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
300	ALL	638126.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
301	ALL	638166.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
302	ALL	638206.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
303	ALL	638246.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
304	ALL	638286.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
305	ALL	638326.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
306	ALL	638366.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
307	ALL	638406.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
308	ALL	638446.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
309	ALL	638486.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
310	ALL	638526.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
311	ALL	638566.2	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
312	ALL	636286.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
313	ALL	636326.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
314	ALL	636366.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
315	ALL	636406.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
316	ALL	636606.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
317	ALL	636646.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
318	ALL	636686.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
319	ALL	636726.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
320	ALL	636766.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
321	ALL	636806.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
322	ALL	637086.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
323	ALL	637126.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
324	ALL	637166.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
325	ALL	637206.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
326	ALL	637246.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
327	ALL	637286.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
328	ALL	637606.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
329	ALL	637646.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
330	ALL	637686.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
331	ALL	637806.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
332	ALL	637846.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
333	ALL	637886.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
334	ALL	637926.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
335	ALL	637966.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
336	ALL	638006.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
337	ALL	638046.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
338	ALL	638086.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
339	ALL	638126.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
340	ALL	638166.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
341	ALL	638206.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
342	ALL	638246.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
343	ALL	638286.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
344	ALL	638326.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
345	ALL	638366.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
346	ALL	638406.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
347	ALL	638446.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
348	ALL	638486.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
349	ALL	638526.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
350	ALL	638566.2	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
351	ALL	636166.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
352	ALL	636246.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
353	ALL	636286.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
354	ALL	636326.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
355	ALL	636366.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
356	ALL	636406.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
357	ALL	636606.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
358	ALL	636646.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
359	ALL	636686.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
360	ALL	636726.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
361	ALL	636766.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
362	ALL	636806.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
363	ALL	636886.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
364	ALL	636926.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
365	ALL	636966.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
366	ALL	637166.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
367	ALL	637206.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
368	ALL	637246.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
369	ALL	637606.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
370	ALL	637646.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
371	ALL	637686.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
372	ALL	637766.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
373	ALL	637806.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
374	ALL	637846.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
375	ALL	637886.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05

376	ALL	637926.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
377	ALL	637966.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
378	ALL	638006.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
379	ALL	638046.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
380	ALL	638086.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
381	ALL	638126.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
382	ALL	638206.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
383	ALL	638246.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
384	ALL	638286.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
385	ALL	638326.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
386	ALL	638366.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
387	ALL	638406.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
388	ALL	638446.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
389	ALL	638486.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
390	ALL	638526.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
391	ALL	638566.2	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
392	ALL	636046.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
393	ALL	636086.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
394	ALL	636126.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
395	ALL	636166.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
396	ALL	636206.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
397	ALL	636246.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
398	ALL	636326.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
399	ALL	636366.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
400	ALL	636406.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
401	ALL	636606.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
402	ALL	636646.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
403	ALL	636686.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
404	ALL	636726.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
405	ALL	636766.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
406	ALL	636806.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05
407	ALL	636846.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
408	ALL	636886.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
409	ALL	636926.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
410	ALL	636966.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
411	ALL	637006.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
412	ALL	637046.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
413	ALL	637086.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
414	ALL	637246.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
415	ALL	637606.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
416	ALL	637646.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
417	ALL	637686.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
418	ALL	637726.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
419	ALL	637766.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
420	ALL	637806.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
421	ALL	637846.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
422	ALL	637886.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
423	ALL	637926.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
424	ALL	637966.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
425	ALL	638006.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
426	ALL	638046.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
427	ALL	638086.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
428	ALL	638126.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
429	ALL	638166.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
430	ALL	638206.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
431	ALL	638326.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
432	ALL	638366.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
433	ALL	638406.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
434	ALL	638446.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
435	ALL	638486.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
436	ALL	638526.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
437	ALL	638566.2	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05
438	ALL	635926.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-06
439	ALL	635966.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
440	ALL	636006.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
441	ALL	636046.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
442	ALL	636086.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
443	ALL	636126.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
444	ALL	636166.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
445	ALL	636206.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
446	ALL	636246.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
447	ALL	636326.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
448	ALL	636406.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
449	ALL	636446.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
450	ALL	636606.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
451	ALL	636646.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
452	ALL	636686.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
453	ALL	636726.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
454	ALL	636766.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
455	ALL	636806.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05
456	ALL	636846.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
457	ALL	636886.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
458	ALL	636926.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
459	ALL	636966.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
460	ALL	637006.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
461	ALL	637046.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
462	ALL	637086.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
463	ALL	637166.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
464	ALL	637206.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
465	ALL	637246.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
466	ALL	637606.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
467	ALL	637646.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
468	ALL	637686.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
469	ALL	637726.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05

470	ALL	637806.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
471	ALL	637846.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
472	ALL	637886.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
473	ALL	637926.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
474	ALL	637966.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
475	ALL	638006.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
476	ALL	638046.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
477	ALL	638086.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
478	ALL	638126.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
479	ALL	638166.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
480	ALL	638206.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
481	ALL	638326.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
482	ALL	638366.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
483	ALL	638406.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
484	ALL	638446.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
485	ALL	638486.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
486	ALL	638526.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
487	ALL	638566.2	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
488	ALL	635966.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
489	ALL	636006.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
490	ALL	636046.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
491	ALL	636086.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
492	ALL	636126.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
493	ALL	636166.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
494	ALL	636206.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
495	ALL	636246.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
496	ALL	636286.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
497	ALL	636326.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
498	ALL	636406.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
499	ALL	636446.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
500	ALL	636606.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
501	ALL	636646.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
502	ALL	636686.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
503	ALL	636726.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
504	ALL	636766.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
505	ALL	636846.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
506	ALL	636886.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
507	ALL	636926.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
508	ALL	636966.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
509	ALL	637006.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
510	ALL	637046.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
511	ALL	637086.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
512	ALL	637166.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
513	ALL	637206.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
514	ALL	637246.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
515	ALL	637606.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05
516	ALL	637646.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
517	ALL	637686.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
518	ALL	637726.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
519	ALL	637766.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
520	ALL	637846.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
521	ALL	637886.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
522	ALL	637926.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
523	ALL	637966.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
524	ALL	638006.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
525	ALL	638046.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
526	ALL	638086.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
527	ALL	638126.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
528	ALL	638166.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
529	ALL	638206.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
530	ALL	638246.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
531	ALL	638286.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
532	ALL	638326.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
533	ALL	638366.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
534	ALL	638406.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
535	ALL	638486.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
536	ALL	638526.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
537	ALL	638566.2	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
538	ALL	635966.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
539	ALL	636006.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
540	ALL	636046.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
541	ALL	636086.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
542	ALL	636166.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
543	ALL	636206.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
544	ALL	636246.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
545	ALL	636286.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
546	ALL	636326.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
547	ALL	636366.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
548	ALL	636406.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
549	ALL	636446.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
550	ALL	636566.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
551	ALL	636606.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
552	ALL	636646.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
553	ALL	636686.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
554	ALL	636726.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
555	ALL	636806.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
556	ALL	636846.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
557	ALL	636886.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
558	ALL	636926.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
559	ALL	636966.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
560	ALL	637006.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
561	ALL	637046.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
562	ALL	637086.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
563	ALL	637166.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05

564	ALL	637206.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
565	ALL	637246.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
566	ALL	637566.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05
567	ALL	637686.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
568	ALL	637726.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
569	ALL	637766.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
570	ALL	637806.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
571	ALL	637846.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
572	ALL	637886.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
573	ALL	637926.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
574	ALL	637966.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
575	ALL	638006.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
576	ALL	638046.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
577	ALL	638086.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
578	ALL	638126.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
579	ALL	638166.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
580	ALL	638206.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
581	ALL	638246.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
582	ALL	638286.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
583	ALL	638326.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
584	ALL	638366.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
585	ALL	638406.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
586	ALL	638446.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
587	ALL	638486.2	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
588	ALL	635966.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
589	ALL	636006.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
590	ALL	636046.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
591	ALL	636086.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
592	ALL	636166.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
593	ALL	636206.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
594	ALL	636246.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
595	ALL	636286.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
596	ALL	636326.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
597	ALL	636366.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
598	ALL	636406.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
599	ALL	636446.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
600	ALL	636566.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
601	ALL	636606.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
602	ALL	636646.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
603	ALL	636686.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
604	ALL	636766.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
605	ALL	636806.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
606	ALL	636846.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
607	ALL	636886.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
608	ALL	636926.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
609	ALL	636966.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
610	ALL	637006.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
611	ALL	637046.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
612	ALL	637086.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
613	ALL	637206.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
614	ALL	637246.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
615	ALL	637566.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
616	ALL	637606.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
617	ALL	637726.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
618	ALL	637766.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
619	ALL	637806.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
620	ALL	637886.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
621	ALL	637926.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
622	ALL	637966.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
623	ALL	638006.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
624	ALL	638046.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
625	ALL	638086.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
626	ALL	638126.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
627	ALL	638166.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
628	ALL	638206.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
629	ALL	638246.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
630	ALL	638286.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
631	ALL	638326.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
632	ALL	638366.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
633	ALL	638406.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
634	ALL	638446.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
635	ALL	638486.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
636	ALL	638526.2	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
637	ALL	635966.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
638	ALL	636006.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
639	ALL	636086.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
640	ALL	636126.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
641	ALL	636166.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
642	ALL	636206.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
643	ALL	636366.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
644	ALL	636406.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
645	ALL	636446.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
646	ALL	636566.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
647	ALL	636606.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
648	ALL	636646.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05
649	ALL	636686.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05
650	ALL	636726.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
651	ALL	636766.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
652	ALL	636806.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
653	ALL	636846.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
654	ALL	636886.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
655	ALL	636926.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
656	ALL	636966.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
657	ALL	637006.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05

658	ALL	637046.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
659	ALL	637566.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
660	ALL	637606.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
661	ALL	637646.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
662	ALL	637726.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
663	ALL	637766.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
664	ALL	637806.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
665	ALL	637846.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
666	ALL	637926.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
667	ALL	637966.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
668	ALL	638006.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
669	ALL	638046.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
670	ALL	638086.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
671	ALL	638126.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
672	ALL	638166.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
673	ALL	638206.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
674	ALL	638246.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
675	ALL	638286.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
676	ALL	638326.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
677	ALL	638366.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
678	ALL	638406.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
679	ALL	638446.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
680	ALL	638486.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
681	ALL	638526.2	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05
682	ALL	635966.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
683	ALL	636006.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
684	ALL	636046.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
685	ALL	636086.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
686	ALL	636126.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
687	ALL	636166.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
688	ALL	636206.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
689	ALL	636286.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
690	ALL	636326.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
691	ALL	636366.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
692	ALL	636406.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
693	ALL	636446.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
694	ALL	636566.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
695	ALL	636606.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
696	ALL	636646.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
697	ALL	636686.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
698	ALL	636726.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05
699	ALL	636766.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
700	ALL	636806.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
701	ALL	636846.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
702	ALL	636886.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
703	ALL	636926.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
704	ALL	636966.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
705	ALL	637006.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
706	ALL	637046.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
707	ALL	637086.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
708	ALL	637126.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
709	ALL	637166.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
710	ALL	637606.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
711	ALL	637646.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
712	ALL	637686.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
713	ALL	637766.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
714	ALL	637806.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
715	ALL	637846.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
716	ALL	637886.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
717	ALL	637966.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
718	ALL	638006.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
719	ALL	638046.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
720	ALL	638086.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
721	ALL	638126.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
722	ALL	638166.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
723	ALL	638206.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
724	ALL	638246.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
725	ALL	638286.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
726	ALL	638326.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
727	ALL	638366.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
728	ALL	638406.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
729	ALL	638446.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
730	ALL	638486.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
731	ALL	638566.2	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
732	ALL	635966.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
733	ALL	636006.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
734	ALL	636046.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
735	ALL	636086.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
736	ALL	636126.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
737	ALL	636166.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
738	ALL	636206.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
739	ALL	636286.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
740	ALL	636326.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
741	ALL	636366.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
742	ALL	636406.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
743	ALL	636446.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
744	ALL	636566.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
745	ALL	636606.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
746	ALL	636646.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
747	ALL	636686.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
748	ALL	636726.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
749	ALL	636766.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
750	ALL	636806.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
751	ALL	636846.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05

752	ALL	636886.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
753	ALL	636926.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
754	ALL	636966.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
755	ALL	637006.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
756	ALL	637046.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
757	ALL	637086.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
758	ALL	637126.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
759	ALL	637166.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
760	ALL	637206.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
761	ALL	637606.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
762	ALL	637646.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
763	ALL	637686.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
764	ALL	637726.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
765	ALL	637806.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
766	ALL	637846.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
767	ALL	637886.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
768	ALL	637926.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
769	ALL	637966.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
770	ALL	638046.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
771	ALL	638086.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
772	ALL	638126.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
773	ALL	638166.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
774	ALL	638206.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
775	ALL	638246.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
776	ALL	638286.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
777	ALL	638326.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
778	ALL	638366.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
779	ALL	638406.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
780	ALL	638446.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
781	ALL	638526.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
782	ALL	638566.2	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
783	ALL	635966.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
784	ALL	636006.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
785	ALL	636046.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
786	ALL	636086.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
787	ALL	636126.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
788	ALL	636166.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
789	ALL	636206.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
790	ALL	636526.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
791	ALL	636566.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
792	ALL	636606.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
793	ALL	636646.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
794	ALL	636686.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
795	ALL	636726.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
796	ALL	636766.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
797	ALL	636806.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
798	ALL	636846.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
799	ALL	636886.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
800	ALL	636926.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
801	ALL	636966.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
802	ALL	637006.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
803	ALL	637046.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
804	ALL	637086.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
805	ALL	637126.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
806	ALL	637166.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
807	ALL	637206.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
808	ALL	637606.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
809	ALL	637646.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
810	ALL	637686.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
811	ALL	637726.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
812	ALL	637846.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
813	ALL	637886.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
814	ALL	637926.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
815	ALL	637966.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
816	ALL	638006.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
817	ALL	638086.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
818	ALL	638126.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
819	ALL	638166.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
820	ALL	638206.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
821	ALL	638246.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
822	ALL	638286.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
823	ALL	638326.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
824	ALL	638366.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
825	ALL	638486.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
826	ALL	638526.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05
827	ALL	638566.2	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
828	ALL	635966.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
829	ALL	636006.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
830	ALL	636046.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
831	ALL	636126.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
832	ALL	636166.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
833	ALL	636206.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
834	ALL	636286.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
835	ALL	636326.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
836	ALL	636366.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
837	ALL	636406.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
838	ALL	636446.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
839	ALL	636526.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
840	ALL	636606.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05
841	ALL	636646.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
842	ALL	636686.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
843	ALL	636726.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
844	ALL	636766.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
845	ALL	636806.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05

846	ALL	636846.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
847	ALL	636886.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
848	ALL	636926.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
849	ALL	636966.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
850	ALL	637006.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
851	ALL	637046.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
852	ALL	637086.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
853	ALL	637126.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
854	ALL	637166.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
855	ALL	637206.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
856	ALL	637606.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
857	ALL	637646.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
858	ALL	637686.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
859	ALL	637726.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
860	ALL	637766.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
861	ALL	637886.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
862	ALL	637926.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
863	ALL	637966.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
864	ALL	638006.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
865	ALL	638046.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
866	ALL	638086.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
867	ALL	638166.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
868	ALL	638206.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
869	ALL	638246.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
870	ALL	638286.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
871	ALL	638406.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
872	ALL	638446.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
873	ALL	638486.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
874	ALL	638526.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
875	ALL	638566.2	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
876	ALL	636006.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
877	ALL	636046.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
878	ALL	636086.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
879	ALL	636126.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
880	ALL	636166.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
881	ALL	636206.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
882	ALL	636526.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
883	ALL	636606.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
884	ALL	636646.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
885	ALL	636686.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
886	ALL	636726.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
887	ALL	636766.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
888	ALL	636806.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
889	ALL	636846.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
890	ALL	636886.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
891	ALL	636926.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
892	ALL	636966.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
893	ALL	637006.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
894	ALL	637046.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
895	ALL	637086.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
896	ALL	637126.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
897	ALL	637166.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
898	ALL	637206.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
899	ALL	637646.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
900	ALL	637686.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
901	ALL	637726.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
902	ALL	637766.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
903	ALL	637886.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
904	ALL	637926.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
905	ALL	637966.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
906	ALL	638006.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
907	ALL	638046.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
908	ALL	638086.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
909	ALL	638126.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
910	ALL	638166.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
911	ALL	638326.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
912	ALL	638366.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05
913	ALL	638406.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
914	ALL	638446.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
915	ALL	638486.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
916	ALL	638526.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
917	ALL	638566.2	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
918	ALL	635966.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
919	ALL	636006.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
920	ALL	636046.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
921	ALL	636086.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
922	ALL	636126.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
923	ALL	636166.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
924	ALL	636206.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
925	ALL	636286.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
926	ALL	636326.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
927	ALL	636366.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
928	ALL	636406.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
929	ALL	636526.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
930	ALL	636566.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
931	ALL	636606.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
932	ALL	636646.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
933	ALL	636686.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
934	ALL	636726.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
935	ALL	636766.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
936	ALL	636806.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
937	ALL	636846.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
938	ALL	636886.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
939	ALL	636926.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05

940	ALL	636966.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
941	ALL	637006.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
942	ALL	637046.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
943	ALL	637086.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
944	ALL	637126.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
945	ALL	637166.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
946	ALL	637206.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
947	ALL	637646.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
948	ALL	637686.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
949	ALL	637726.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
950	ALL	637766.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
951	ALL	637806.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
952	ALL	637926.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
953	ALL	637966.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
954	ALL	638006.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05
955	ALL	638046.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
956	ALL	638086.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
957	ALL	638126.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
958	ALL	638286.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05
959	ALL	638326.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
960	ALL	638366.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
961	ALL	638406.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
962	ALL	638446.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
963	ALL	638486.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
964	ALL	638526.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
965	ALL	638566.2	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
966	ALL	634406.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-06
967	ALL	635966.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
968	ALL	636046.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
969	ALL	636086.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
970	ALL	636126.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
971	ALL	636166.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
972	ALL	636206.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
973	ALL	636486.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
974	ALL	636526.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
975	ALL	636606.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
976	ALL	636646.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
977	ALL	636686.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
978	ALL	636726.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
979	ALL	636766.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
980	ALL	636806.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
981	ALL	636846.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
982	ALL	636886.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
983	ALL	636926.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
984	ALL	636966.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
985	ALL	637006.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
986	ALL	637046.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
987	ALL	637086.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
988	ALL	637126.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
989	ALL	637166.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
990	ALL	637206.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
991	ALL	637646.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
992	ALL	637686.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
993	ALL	637726.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
994	ALL	637766.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
995	ALL	637806.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
996	ALL	637846.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05
997	ALL	638046.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
998	ALL	638086.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
999	ALL	638326.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
1000	ALL	638366.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
1001	ALL	638406.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1002	ALL	638446.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1003	ALL	638486.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1004	ALL	638526.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1005	ALL	638566.2	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1006	ALL	635966.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1007	ALL	636006.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1008	ALL	636046.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1009	ALL	636126.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1010	ALL	636166.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1011	ALL	636206.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1012	ALL	636286.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1013	ALL	636326.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1014	ALL	636366.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1015	ALL	636406.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1016	ALL	636486.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
1017	ALL	636526.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
1018	ALL	636606.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
1019	ALL	636646.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1020	ALL	636686.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1021	ALL	636726.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1022	ALL	636766.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1023	ALL	636806.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1024	ALL	636846.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1025	ALL	636886.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1026	ALL	636926.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1027	ALL	636966.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1028	ALL	637006.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1029	ALL	637046.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1030	ALL	637086.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1031	ALL	637126.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1032	ALL	637166.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1033	ALL	637206.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05

1034	ALL	637246.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1035	ALL	637646.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1036	ALL	637686.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1037	ALL	637726.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1038	ALL	637766.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1039	ALL	637806.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
1040	ALL	637846.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
1041	ALL	638326.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1042	ALL	638366.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
1043	ALL	638406.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
1044	ALL	638446.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
1045	ALL	638486.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1046	ALL	638526.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1047	ALL	638566.2	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1048	ALL	635966.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1049	ALL	636006.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1050	ALL	636046.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1051	ALL	636486.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1052	ALL	636526.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
1053	ALL	636566.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05
1054	ALL	636606.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1055	ALL	636646.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
1056	ALL	636686.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1057	ALL	636726.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
1058	ALL	636766.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1059	ALL	636806.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1060	ALL	636846.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1061	ALL	636886.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1062	ALL	636926.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1063	ALL	636966.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1064	ALL	637006.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1065	ALL	637046.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1066	ALL	637086.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1067	ALL	637126.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1068	ALL	637166.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1069	ALL	637206.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1070	ALL	637246.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1071	ALL	637686.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1072	ALL	637726.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1073	ALL	637766.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1074	ALL	637806.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1075	ALL	637846.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1076	ALL	637886.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
1077	ALL	638366.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
1078	ALL	638406.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1079	ALL	638446.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1080	ALL	638486.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1081	ALL	638526.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1082	ALL	638566.2	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1083	ALL	635966.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1084	ALL	636006.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1085	ALL	636046.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1086	ALL	636126.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1087	ALL	636166.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1088	ALL	636206.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1089	ALL	636246.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1090	ALL	636486.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1091	ALL	636526.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
1092	ALL	636566.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
1093	ALL	636646.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
1094	ALL	636686.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
1095	ALL	636726.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1096	ALL	636766.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
1097	ALL	636806.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1098	ALL	636846.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1099	ALL	636886.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1100	ALL	636926.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1101	ALL	636966.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1102	ALL	637006.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1103	ALL	637046.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1104	ALL	637086.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1105	ALL	637126.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1106	ALL	637166.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1107	ALL	637206.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1108	ALL	637246.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1109	ALL	637686.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1110	ALL	637726.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1111	ALL	637766.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1112	ALL	637806.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1113	ALL	637846.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1114	ALL	637886.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1115	ALL	637926.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
1116	ALL	638446.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1117	ALL	638486.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1118	ALL	638526.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1119	ALL	638566.2	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1120	ALL	635966.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1121	ALL	636006.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1122	ALL	636046.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1123	ALL	636126.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1124	ALL	636166.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1125	ALL	636206.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1126	ALL	636246.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1127	ALL	636486.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05

1128	ALL	636526.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1129	ALL	636566.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
1130	ALL	636606.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05
1131	ALL	636686.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
1132	ALL	636726.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
1133	ALL	636766.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
1134	ALL	636806.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
1135	ALL	636846.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1136	ALL	636886.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1137	ALL	636926.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1138	ALL	636966.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1139	ALL	637006.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1140	ALL	637046.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1141	ALL	637086.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1142	ALL	637126.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1143	ALL	637166.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1144	ALL	637206.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1145	ALL	637246.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1146	ALL	637686.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1147	ALL	637726.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1148	ALL	637766.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1149	ALL	637806.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1150	ALL	637846.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1151	ALL	638446.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1152	ALL	638486.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1153	ALL	638526.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1154	ALL	638566.2	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1155	ALL	635366.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1156	ALL	635406.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1157	ALL	635446.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1158	ALL	635486.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1159	ALL	635526.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1160	ALL	635566.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1161	ALL	635606.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1162	ALL	635646.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1163	ALL	635686.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1164	ALL	635726.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1165	ALL	635766.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1166	ALL	635806.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1167	ALL	635846.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1168	ALL	635926.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1169	ALL	635966.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1170	ALL	636006.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1171	ALL	636046.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1172	ALL	636126.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1173	ALL	636166.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1174	ALL	636206.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1175	ALL	636246.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1176	ALL	636446.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1177	ALL	636486.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1178	ALL	636526.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
1179	ALL	636566.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
1180	ALL	636606.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
1181	ALL	636646.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
1182	ALL	636686.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1183	ALL	636726.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-05
1184	ALL	636766.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1185	ALL	636806.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
1186	ALL	636846.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1187	ALL	636886.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1188	ALL	636926.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1189	ALL	636966.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1190	ALL	637006.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1191	ALL	637046.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1192	ALL	637086.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1193	ALL	637126.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1194	ALL	637166.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1195	ALL	637206.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1196	ALL	637246.2	4270752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1197	ALL	635246.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1198	ALL	635286.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1199	ALL	635326.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1200	ALL	635366.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1201	ALL	635406.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1202	ALL	635446.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1203	ALL	635486.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1204	ALL	635526.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1205	ALL	635566.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1206	ALL	635606.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1207	ALL	635646.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1208	ALL	635686.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1209	ALL	635726.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1210	ALL	635806.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1211	ALL	635846.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1212	ALL	635886.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1213	ALL	635926.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1214	ALL	635966.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1215	ALL	636006.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1216	ALL	636126.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1217	ALL	636166.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1218	ALL	636206.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1219	ALL	636446.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1220	ALL	636486.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
1221	ALL	636526.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05

1222	ALL	636566.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1223	ALL	636606.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
1224	ALL	636646.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
1225	ALL	636686.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
1226	ALL	636726.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1227	ALL	636766.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1228	ALL	636806.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1229	ALL	636846.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1230	ALL	636886.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1231	ALL	636926.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1232	ALL	636966.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1233	ALL	637006.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1234	ALL	637046.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1235	ALL	637086.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1236	ALL	637126.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1237	ALL	637166.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1238	ALL	637206.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1239	ALL	637246.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1240	ALL	638086.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
1241	ALL	638126.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1242	ALL	638166.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
1243	ALL	638206.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1244	ALL	638246.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1245	ALL	638286.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1246	ALL	638326.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1247	ALL	638366.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1248	ALL	638406.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1249	ALL	638446.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1250	ALL	638486.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1251	ALL	638526.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1252	ALL	638566.2	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1253	ALL	635126.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1254	ALL	635166.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1255	ALL	635206.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1256	ALL	635246.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1257	ALL	635286.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1258	ALL	635326.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1259	ALL	635366.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1260	ALL	635406.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1261	ALL	635446.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1262	ALL	635486.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1263	ALL	635526.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1264	ALL	635566.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1265	ALL	635606.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1266	ALL	635686.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1267	ALL	635726.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1268	ALL	635766.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1269	ALL	635806.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1270	ALL	635846.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1271	ALL	635886.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1272	ALL	635966.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1273	ALL	636006.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1274	ALL	636046.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1275	ALL	636086.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1276	ALL	636126.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1277	ALL	636166.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1278	ALL	636206.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1279	ALL	636446.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1280	ALL	636486.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1281	ALL	636526.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1282	ALL	636566.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1283	ALL	636606.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1284	ALL	636646.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1285	ALL	636686.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1286	ALL	636766.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
1287	ALL	636806.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1288	ALL	636846.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
1289	ALL	636886.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1290	ALL	636926.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1291	ALL	636966.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1292	ALL	637006.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1293	ALL	637046.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1294	ALL	637086.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1295	ALL	637126.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1296	ALL	637166.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1297	ALL	637206.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1298	ALL	637246.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1299	ALL	637286.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1300	ALL	638086.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1301	ALL	638126.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1302	ALL	638166.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1303	ALL	638206.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1304	ALL	638246.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1305	ALL	638286.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1306	ALL	638326.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1307	ALL	638366.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1308	ALL	638406.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1309	ALL	638446.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1310	ALL	638486.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1311	ALL	638526.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1312	ALL	638566.2	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-06
1313	ALL	635126.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1314	ALL	635166.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1315	ALL	635206.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05

1316	ALL	635246.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1317	ALL	635286.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1318	ALL	635326.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1319	ALL	635366.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1320	ALL	635406.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1321	ALL	635446.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1322	ALL	635486.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
1323	ALL	635526.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1324	ALL	635566.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1325	ALL	635646.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1326	ALL	635686.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1327	ALL	635726.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1328	ALL	635766.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1329	ALL	635846.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
1330	ALL	635886.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1331	ALL	635926.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
1332	ALL	635966.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1333	ALL	636006.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1334	ALL	636046.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1335	ALL	636086.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1336	ALL	636126.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1337	ALL	636166.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1338	ALL	636206.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1339	ALL	636246.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1340	ALL	636286.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1341	ALL	636406.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1342	ALL	636446.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1343	ALL	636486.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1344	ALL	636526.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1345	ALL	636566.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1346	ALL	636606.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1347	ALL	636646.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1348	ALL	636686.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
1349	ALL	636726.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
1350	ALL	636806.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
1351	ALL	636846.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1352	ALL	636886.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
1353	ALL	636926.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1354	ALL	636966.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1355	ALL	637006.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1356	ALL	637046.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
1357	ALL	637086.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1358	ALL	637126.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1359	ALL	637166.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1360	ALL	637206.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1361	ALL	637246.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1362	ALL	637286.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1363	ALL	638086.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1364	ALL	638126.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1365	ALL	638166.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1366	ALL	638206.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1367	ALL	638246.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1368	ALL	638286.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1369	ALL	638326.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1370	ALL	638366.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1371	ALL	638406.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1372	ALL	638446.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1373	ALL	638486.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1374	ALL	638526.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-06
1375	ALL	638566.2	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06
1376	ALL	635166.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1377	ALL	635206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1378	ALL	635246.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1379	ALL	635286.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1380	ALL	635326.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1381	ALL	635366.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
1382	ALL	635406.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1383	ALL	635446.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1384	ALL	635486.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1385	ALL	635526.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1386	ALL	635766.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1387	ALL	635846.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
1388	ALL	635886.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1389	ALL	635926.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1390	ALL	635966.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1391	ALL	636006.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
1392	ALL	636046.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1393	ALL	636086.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1394	ALL	636166.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1395	ALL	636206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1396	ALL	636246.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1397	ALL	636286.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1398	ALL	636406.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1399	ALL	636446.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1400	ALL	636486.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1401	ALL	636526.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1402	ALL	636566.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1403	ALL	636606.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05
1404	ALL	636646.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1405	ALL	636686.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
1406	ALL	636726.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
1407	ALL	636766.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
1408	ALL	636846.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
1409	ALL	636886.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05

1410	ALL	636926.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
1411	ALL	636966.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1412	ALL	637006.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1413	ALL	637046.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1414	ALL	637086.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
1415	ALL	637126.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1416	ALL	637166.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1417	ALL	637206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1418	ALL	637246.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1419	ALL	637286.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1420	ALL	638086.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1421	ALL	638126.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1422	ALL	638166.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1423	ALL	638206.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1424	ALL	638246.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1425	ALL	638286.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1426	ALL	638326.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1427	ALL	638366.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1428	ALL	638406.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1429	ALL	638446.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1430	ALL	638486.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
1431	ALL	638526.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
1432	ALL	638566.2	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-06
1433	ALL	635166.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1434	ALL	635206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
1435	ALL	635246.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1436	ALL	635286.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1437	ALL	635326.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1438	ALL	635366.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
1439	ALL	635406.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1440	ALL	635446.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1441	ALL	635486.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1442	ALL	635686.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
1443	ALL	635726.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1444	ALL	635766.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1445	ALL	635846.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1446	ALL	635886.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
1447	ALL	635926.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1448	ALL	635966.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1449	ALL	636006.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
1450	ALL	636046.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1451	ALL	636086.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1452	ALL	636126.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1453	ALL	636166.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1454	ALL	636206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1455	ALL	636246.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1456	ALL	636366.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1457	ALL	636406.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1458	ALL	636446.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1459	ALL	636486.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1460	ALL	636526.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1461	ALL	636566.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1462	ALL	636606.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1463	ALL	636646.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1464	ALL	636686.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1465	ALL	636726.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1466	ALL	636766.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
1467	ALL	636806.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05
1468	ALL	636886.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
1469	ALL	636926.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1470	ALL	636966.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1471	ALL	637006.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1472	ALL	637046.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1473	ALL	637086.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1474	ALL	637126.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1475	ALL	637166.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1476	ALL	637206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1477	ALL	637246.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
1478	ALL	637286.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
1479	ALL	638086.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1480	ALL	638126.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1481	ALL	638166.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1482	ALL	638206.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1483	ALL	638246.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1484	ALL	638286.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
1485	ALL	638326.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
1486	ALL	638366.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1487	ALL	638406.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1488	ALL	638446.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06
1489	ALL	638486.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06
1490	ALL	638526.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06
1491	ALL	638566.2	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06
1492	ALL	634846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1493	ALL	634886.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1494	ALL	634926.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1495	ALL	634966.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
1496	ALL	635166.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1497	ALL	635206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1498	ALL	635246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1499	ALL	635286.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
1500	ALL	635326.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1501	ALL	635366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
1502	ALL	635406.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1503	ALL	635446.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05

1504	ALL	635486.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1505	ALL	635526.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1506	ALL	635646.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1507	ALL	635686.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1508	ALL	635726.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
1509	ALL	635766.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1510	ALL	635806.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
1511	ALL	635846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1512	ALL	635886.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
1513	ALL	635926.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1514	ALL	635966.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1515	ALL	636006.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
1516	ALL	636046.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1517	ALL	636086.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1518	ALL	636126.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1519	ALL	636206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1520	ALL	636246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1521	ALL	636366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1522	ALL	636406.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1523	ALL	636446.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1524	ALL	636486.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1525	ALL	636526.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1526	ALL	636566.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1527	ALL	636606.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1528	ALL	636646.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1529	ALL	636686.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1530	ALL	636726.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
1531	ALL	636766.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1532	ALL	636806.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1533	ALL	636846.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05
1534	ALL	636886.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1535	ALL	636926.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
1536	ALL	636966.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1537	ALL	637006.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1538	ALL	637046.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1539	ALL	637086.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1540	ALL	637126.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1541	ALL	637166.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1542	ALL	637206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1543	ALL	637246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1544	ALL	637286.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1545	ALL	638086.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1546	ALL	638126.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1547	ALL	638166.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1548	ALL	638206.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
1549	ALL	638246.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1550	ALL	638286.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1551	ALL	638326.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1552	ALL	638366.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1553	ALL	638406.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
1554	ALL	638446.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-06
1555	ALL	638486.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06
1556	ALL	638526.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-06
1557	ALL	638566.2	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-06
1558	ALL	634806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1559	ALL	634846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1560	ALL	634886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1561	ALL	634926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1562	ALL	634966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1563	ALL	635006.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1564	ALL	635046.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
1565	ALL	635086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1566	ALL	635166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
1567	ALL	635206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1568	ALL	635246.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1569	ALL	635286.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1570	ALL	635326.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1571	ALL	635366.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1572	ALL	635406.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1573	ALL	635446.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1574	ALL	635486.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
1575	ALL	635526.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
1576	ALL	635566.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
1577	ALL	635606.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
1578	ALL	635646.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
1579	ALL	635686.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1580	ALL	635726.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1581	ALL	635766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
1582	ALL	635806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
1583	ALL	635846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1584	ALL	635886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1585	ALL	635926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
1586	ALL	635966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1587	ALL	636006.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
1588	ALL	636046.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1589	ALL	636126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1590	ALL	636166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1591	ALL	636206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1592	ALL	636326.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1593	ALL	636366.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1594	ALL	636406.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1595	ALL	636446.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1596	ALL	636486.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
1597	ALL	636526.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05

1598	ALL	636566.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1599	ALL	636606.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1600	ALL	636646.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1601	ALL	636686.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1602	ALL	636726.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
1603	ALL	636766.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
1604	ALL	636806.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1605	ALL	636846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1606	ALL	636886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1607	ALL	636926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05
1608	ALL	636966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1609	ALL	637006.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
1610	ALL	637046.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1611	ALL	637086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1612	ALL	637126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1613	ALL	637166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05
1614	ALL	637206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1615	ALL	637246.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
1616	ALL	637286.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
1617	ALL	637846.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1618	ALL	637886.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1619	ALL	637926.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1620	ALL	637966.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1621	ALL	638086.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1622	ALL	638126.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
1623	ALL	638166.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1624	ALL	638206.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1625	ALL	638246.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1626	ALL	638286.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
1627	ALL	638326.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1628	ALL	638366.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06
1629	ALL	638406.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
1630	ALL	638446.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-06
1631	ALL	638486.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06
1632	ALL	638526.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-06
1633	ALL	638566.2	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06
1634	ALL	634766.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1635	ALL	634806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1636	ALL	634846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1637	ALL	634886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1638	ALL	634926.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1639	ALL	634966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1640	ALL	635006.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1641	ALL	635046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
1642	ALL	635086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
1643	ALL	635126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1644	ALL	635166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
1645	ALL	635206.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1646	ALL	635246.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1647	ALL	635286.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1648	ALL	635326.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1649	ALL	635366.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1650	ALL	635406.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1651	ALL	635446.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1652	ALL	635486.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
1653	ALL	635526.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1654	ALL	635566.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1655	ALL	635606.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
1656	ALL	635646.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
1657	ALL	635686.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
1658	ALL	635726.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1659	ALL	635806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
1660	ALL	635886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1661	ALL	635926.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1662	ALL	635966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
1663	ALL	636046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
1664	ALL	636086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1665	ALL	636126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1666	ALL	636166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1667	ALL	636286.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1668	ALL	636326.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1669	ALL	636366.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1670	ALL	636406.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1671	ALL	636446.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1672	ALL	636486.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1673	ALL	636526.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1674	ALL	636566.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
1675	ALL	636606.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1676	ALL	636646.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1677	ALL	636686.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1678	ALL	636726.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1679	ALL	636766.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
1680	ALL	636806.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1681	ALL	636846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1682	ALL	636886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
1683	ALL	636966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05
1684	ALL	637006.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1685	ALL	637046.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
1686	ALL	637086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1687	ALL	637126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1688	ALL	637166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1689	ALL	637206.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1690	ALL	637246.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
1691	ALL	637286.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05

1692	ALL	637846.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1693	ALL	637886.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1694	ALL	637926.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1695	ALL	637966.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
1696	ALL	638086.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1697	ALL	638126.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1698	ALL	638166.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1699	ALL	638206.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1700	ALL	638246.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
1701	ALL	638286.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1702	ALL	638326.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-06
1703	ALL	638366.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
1704	ALL	638406.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06
1705	ALL	638446.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06
1706	ALL	638486.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-06
1707	ALL	638526.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
1708	ALL	638566.2	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
1709	ALL	634726.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-06
1710	ALL	634766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1711	ALL	634806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1712	ALL	634846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1713	ALL	634886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1714	ALL	634926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1715	ALL	634966.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05
1716	ALL	635006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1717	ALL	635046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
1718	ALL	635086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
1719	ALL	635126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1720	ALL	635166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
1721	ALL	635246.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1722	ALL	635286.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1723	ALL	635326.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-05
1724	ALL	635366.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1725	ALL	635406.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1726	ALL	635446.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
1727	ALL	635486.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1728	ALL	635526.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
1729	ALL	635566.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1730	ALL	635606.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
1731	ALL	635646.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
1732	ALL	635686.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
1733	ALL	635726.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
1734	ALL	635766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1735	ALL	635806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
1736	ALL	635846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1737	ALL	635886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1738	ALL	635926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
1739	ALL	636006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
1740	ALL	636046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
1741	ALL	636086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1742	ALL	636126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1743	ALL	636246.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1744	ALL	636286.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1745	ALL	636326.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1746	ALL	636366.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1747	ALL	636406.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1748	ALL	636446.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
1749	ALL	636486.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1750	ALL	636526.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1751	ALL	636566.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
1752	ALL	636606.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
1753	ALL	636646.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1754	ALL	636686.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1755	ALL	636726.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1756	ALL	636766.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1757	ALL	636806.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1758	ALL	636846.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
1759	ALL	636886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
1760	ALL	636926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1761	ALL	637006.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
1762	ALL	637046.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
1763	ALL	637086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
1764	ALL	637126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1765	ALL	637166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1766	ALL	637206.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
1767	ALL	637246.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
1768	ALL	637286.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1769	ALL	637886.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1770	ALL	637926.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1771	ALL	637966.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1772	ALL	638086.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
1773	ALL	638126.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
1774	ALL	638166.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1775	ALL	638206.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
1776	ALL	638246.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
1777	ALL	638286.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06
1778	ALL	638326.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
1779	ALL	638366.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-06
1780	ALL	638406.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06
1781	ALL	638446.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06
1782	ALL	638486.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06
1783	ALL	638526.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-06
1784	ALL	638566.2	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06
1785	ALL	634726.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05

1786	ALL	634766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
1787	ALL	634806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
1788	ALL	634846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
1789	ALL	634886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
1790	ALL	634926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1791	ALL	634966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1792	ALL	635006.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
1793	ALL	635046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
1794	ALL	635086.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
1795	ALL	635126.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1796	ALL	635166.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
1797	ALL	635286.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1798	ALL	635326.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
1799	ALL	635366.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1800	ALL	635406.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
1801	ALL	635446.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
1802	ALL	635486.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
1803	ALL	635526.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
1804	ALL	635566.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
1805	ALL	635606.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
1806	ALL	635646.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
1807	ALL	635686.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1808	ALL	635726.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1809	ALL	635766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1810	ALL	635806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
1811	ALL	635846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
1812	ALL	635886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1813	ALL	635926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
1814	ALL	635966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1815	ALL	636006.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
1816	ALL	636046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
1817	ALL	636206.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1818	ALL	636246.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1819	ALL	636286.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1820	ALL	636326.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1821	ALL	636366.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1822	ALL	636406.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1823	ALL	636446.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
1824	ALL	636486.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
1825	ALL	636526.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1826	ALL	636566.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1827	ALL	636606.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
1828	ALL	636646.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1829	ALL	636686.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1830	ALL	636726.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1831	ALL	636766.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1832	ALL	636806.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
1833	ALL	636846.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
1834	ALL	636886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
1835	ALL	636926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1836	ALL	636966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-05
1837	ALL	637046.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
1838	ALL	637086.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1839	ALL	637126.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
1840	ALL	637166.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1841	ALL	637206.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
1842	ALL	637246.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
1843	ALL	637286.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
1844	ALL	637886.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-06
1845	ALL	637926.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06
1846	ALL	637966.2	4271152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-06
1847	ALL	634686.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
1848	ALL	634726.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
1849	ALL	634766.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
1850	ALL	634806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
1851	ALL	634846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
1852	ALL	634886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1853	ALL	634926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1854	ALL	634966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
1855	ALL	635006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
1856	ALL	635046.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
1857	ALL	635086.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
1858	ALL	635126.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
1859	ALL	635166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
1860	ALL	635246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1861	ALL	635326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
1862	ALL	635366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1863	ALL	635406.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
1864	ALL	635446.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
1865	ALL	635486.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1866	ALL	635526.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1867	ALL	635566.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
1868	ALL	635606.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
1869	ALL	635646.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1870	ALL	635686.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1871	ALL	635726.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1872	ALL	635766.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
1873	ALL	635846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
1874	ALL	635926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
1875	ALL	635966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
1876	ALL	636006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-05
1877	ALL	636166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1878	ALL	636206.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1879	ALL	636246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05

1880	ALL	636286.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1881	ALL	636326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-05
1882	ALL	636366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1883	ALL	636406.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1884	ALL	636446.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
1885	ALL	636486.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05
1886	ALL	636526.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
1887	ALL	636566.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1888	ALL	636606.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1889	ALL	636646.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05
1890	ALL	636686.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
1891	ALL	636726.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05
1892	ALL	636766.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
1893	ALL	636806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1894	ALL	636846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-05
1895	ALL	636886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1896	ALL	636926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1897	ALL	636966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1898	ALL	637006.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05
1899	ALL	637046.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
1900	ALL	637086.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
1901	ALL	637206.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
1902	ALL	637246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05
1903	ALL	637806.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06
1904	ALL	637846.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06
1905	ALL	637886.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06
1906	ALL	637926.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
1907	ALL	637966.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06
1908	ALL	638086.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06
1909	ALL	638126.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
1910	ALL	638166.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-06
1911	ALL	638206.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06
1912	ALL	638246.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06
1913	ALL	638286.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
1914	ALL	638326.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-06
1915	ALL	638366.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06
1916	ALL	638406.2	4271192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06
1917	ALL	634646.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
1918	ALL	634686.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
1919	ALL	634726.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
1920	ALL	634766.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
1921	ALL	634806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
1922	ALL	634846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
1923	ALL	634886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
1924	ALL	634926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1925	ALL	634966.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1926	ALL	635006.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
1927	ALL	635046.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05
1928	ALL	635086.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
1929	ALL	635126.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
1930	ALL	635206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1931	ALL	635246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
1932	ALL	635366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
1933	ALL	635406.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
1934	ALL	635446.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1935	ALL	635486.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
1936	ALL	635526.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
1937	ALL	635566.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1938	ALL	635606.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
1939	ALL	635646.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
1940	ALL	635686.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1941	ALL	635726.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
1942	ALL	635766.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
1943	ALL	635806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1944	ALL	635846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
1945	ALL	635886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1946	ALL	635926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1947	ALL	636126.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1948	ALL	636166.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
1949	ALL	636206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1950	ALL	636246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
1951	ALL	636286.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
1952	ALL	636326.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1953	ALL	636366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1954	ALL	636406.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
1955	ALL	636446.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1956	ALL	636486.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1957	ALL	636526.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
1958	ALL	636566.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1959	ALL	636606.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1960	ALL	636646.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
1961	ALL	636686.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05
1962	ALL	636726.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
1963	ALL	636766.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
1964	ALL	636806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
1965	ALL	636846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
1966	ALL	636886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1967	ALL	636926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1968	ALL	636966.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1969	ALL	637006.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
1970	ALL	637206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
1971	ALL	637246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05
1972	ALL	637806.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
1973	ALL	637846.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06

1974	ALL	637886.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-06
1975	ALL	637926.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06
1976	ALL	637966.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06
1977	ALL	638086.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06
1978	ALL	638126.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
1979	ALL	638166.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-06
1980	ALL	638206.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-06
1981	ALL	638246.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06
1982	ALL	638286.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-06
1983	ALL	638326.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06
1984	ALL	638366.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-06
1985	ALL	638406.2	4271232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-06
1986	ALL	634686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
1987	ALL	634726.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
1988	ALL	634766.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
1989	ALL	634806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
1990	ALL	634846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
1991	ALL	634886.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05
1992	ALL	634926.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
1993	ALL	634966.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
1994	ALL	635006.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
1995	ALL	635046.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
1996	ALL	635086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05
1997	ALL	635126.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1998	ALL	635166.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05
1999	ALL	635206.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
2000	ALL	635246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
2001	ALL	635286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
2002	ALL	635366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
2003	ALL	635406.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
2004	ALL	635446.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
2005	ALL	635486.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05
2006	ALL	635526.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
2007	ALL	635566.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
2008	ALL	635606.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
2009	ALL	635646.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
2010	ALL	635686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
2011	ALL	635726.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
2012	ALL	635766.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
2013	ALL	635806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
2014	ALL	635846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
2015	ALL	636046.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
2016	ALL	636086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
2017	ALL	636126.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
2018	ALL	636166.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
2019	ALL	636206.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
2020	ALL	636246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
2021	ALL	636286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2022	ALL	636326.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
2023	ALL	636366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2024	ALL	636406.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
2025	ALL	636446.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
2026	ALL	636486.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
2027	ALL	636526.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
2028	ALL	636566.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
2029	ALL	636606.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
2030	ALL	636646.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
2031	ALL	636686.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2032	ALL	636726.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2033	ALL	636766.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
2034	ALL	636806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
2035	ALL	636846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
2036	ALL	636886.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
2037	ALL	636926.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
2038	ALL	636966.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
2039	ALL	637006.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
2040	ALL	637046.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
2041	ALL	637806.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06
2042	ALL	637846.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
2043	ALL	637886.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06
2044	ALL	637926.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06
2045	ALL	637966.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-06
2046	ALL	638086.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-06
2047	ALL	638126.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-06
2048	ALL	638166.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06
2049	ALL	638206.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06
2050	ALL	638246.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06
2051	ALL	638286.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-06
2052	ALL	638326.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
2053	ALL	638366.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06
2054	ALL	638406.2	4271272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06
2055	ALL	634766.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2056	ALL	634806.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2057	ALL	634846.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
2058	ALL	634886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2059	ALL	634926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2060	ALL	634966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
2061	ALL	635006.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2062	ALL	635046.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2063	ALL	635086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-05
2064	ALL	635126.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
2065	ALL	635166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2066	ALL	635206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
2067	ALL	635246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05

2068	ALL	635286.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
2069	ALL	635326.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
2070	ALL	635406.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
2071	ALL	635446.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
2072	ALL	635486.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
2073	ALL	635526.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
2074	ALL	635566.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
2075	ALL	635606.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
2076	ALL	635646.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
2077	ALL	635686.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
2078	ALL	635726.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
2079	ALL	635766.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
2080	ALL	635966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
2081	ALL	636006.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
2082	ALL	636046.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
2083	ALL	636086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
2084	ALL	636126.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
2085	ALL	636166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
2086	ALL	636206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
2087	ALL	636246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
2088	ALL	636286.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
2089	ALL	636326.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
2090	ALL	636366.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
2091	ALL	636406.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
2092	ALL	636446.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
2093	ALL	636486.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
2094	ALL	636526.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
2095	ALL	636566.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-05
2096	ALL	636606.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
2097	ALL	636646.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2098	ALL	636686.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-05
2099	ALL	636726.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2100	ALL	636766.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
2101	ALL	636806.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2102	ALL	636846.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
2103	ALL	636886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
2104	ALL	636926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05
2105	ALL	636966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
2106	ALL	637006.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
2107	ALL	637046.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
2108	ALL	637086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
2109	ALL	637886.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-06
2110	ALL	637926.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-06
2111	ALL	637966.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
2112	ALL	638086.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-06
2113	ALL	638126.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-06
2114	ALL	638166.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-06
2115	ALL	638206.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
2116	ALL	638246.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06
2117	ALL	638286.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06
2118	ALL	638326.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-06
2119	ALL	638366.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06
2120	ALL	638406.2	4271312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06
2121	ALL	634806.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
2122	ALL	634846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2123	ALL	634886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2124	ALL	634926.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
2125	ALL	634966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2126	ALL	635006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2127	ALL	635046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2128	ALL	635126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
2129	ALL	635166.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
2130	ALL	635206.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
2131	ALL	635246.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
2132	ALL	635286.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
2133	ALL	635326.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
2134	ALL	635366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
2135	ALL	635446.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
2136	ALL	635486.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
2137	ALL	635526.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
2138	ALL	635566.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
2139	ALL	635606.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05
2140	ALL	635646.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
2141	ALL	635686.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
2142	ALL	635846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
2143	ALL	635886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
2144	ALL	635926.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
2145	ALL	635966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
2146	ALL	636006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
2147	ALL	636046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
2148	ALL	636086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
2149	ALL	636126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
2150	ALL	636166.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2151	ALL	636206.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
2152	ALL	636246.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
2153	ALL	636286.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
2154	ALL	636326.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
2155	ALL	636366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
2156	ALL	636646.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
2157	ALL	636686.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
2158	ALL	636726.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
2159	ALL	636766.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
2160	ALL	636806.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
2161	ALL	636846.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05

2162	ALL	636886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
2163	ALL	636926.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
2164	ALL	636966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
2165	ALL	637006.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
2166	ALL	637046.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
2167	ALL	637086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
2168	ALL	637886.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06
2169	ALL	637926.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
2170	ALL	637966.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06
2171	ALL	638086.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
2172	ALL	638126.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-06
2173	ALL	638166.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06
2174	ALL	638206.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06
2175	ALL	638246.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06
2176	ALL	638286.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06
2177	ALL	638326.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-06
2178	ALL	638366.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06
2179	ALL	638406.2	4271352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06
2180	ALL	634886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2181	ALL	634926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2182	ALL	634966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
2183	ALL	635006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
2184	ALL	635086.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2185	ALL	635126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
2186	ALL	635166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
2187	ALL	635206.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
2188	ALL	635246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
2189	ALL	635286.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
2190	ALL	635326.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
2191	ALL	635366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-05
2192	ALL	635406.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
2193	ALL	635446.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
2194	ALL	635486.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
2195	ALL	635526.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
2196	ALL	635566.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
2197	ALL	635606.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
2198	ALL	635766.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
2199	ALL	635806.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
2200	ALL	635846.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
2201	ALL	635886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-05
2202	ALL	635926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
2203	ALL	635966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
2204	ALL	636006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
2205	ALL	636046.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
2206	ALL	636086.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
2207	ALL	636126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
2208	ALL	636166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
2209	ALL	636206.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
2210	ALL	636246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
2211	ALL	636286.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
2212	ALL	636326.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
2213	ALL	636366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
2214	ALL	636406.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
2215	ALL	636446.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
2216	ALL	636486.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
2217	ALL	636526.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
2218	ALL	636566.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
2219	ALL	636606.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
2220	ALL	636646.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
2221	ALL	636686.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
2222	ALL	636726.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
2223	ALL	636766.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
2224	ALL	636806.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
2225	ALL	636846.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
2226	ALL	636886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
2227	ALL	636926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
2228	ALL	636966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
2229	ALL	637006.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
2230	ALL	637046.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
2231	ALL	637886.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06
2232	ALL	637926.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06
2233	ALL	637966.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
2234	ALL	638086.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-06
2235	ALL	638126.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-06
2236	ALL	638166.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06
2237	ALL	638206.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-06
2238	ALL	638246.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06
2239	ALL	638326.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-06
2240	ALL	638366.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06
2241	ALL	638406.2	4271392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-06
2242	ALL	634926.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2243	ALL	634966.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05
2244	ALL	635006.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
2245	ALL	635046.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
2246	ALL	635086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
2247	ALL	635126.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
2248	ALL	635166.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
2249	ALL	635206.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
2250	ALL	635246.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
2251	ALL	635286.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
2252	ALL	635326.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
2253	ALL	635366.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-05
2254	ALL	635406.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
2255	ALL	635486.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-05

2256	ALL	635526.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
2257	ALL	635686.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
2258	ALL	635726.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05
2259	ALL	635766.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
2260	ALL	635806.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
2261	ALL	635846.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
2262	ALL	635886.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
2263	ALL	635926.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
2264	ALL	635966.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
2265	ALL	636006.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
2266	ALL	636046.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
2267	ALL	636086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05
2268	ALL	636126.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
2269	ALL	636166.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
2270	ALL	636206.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05
2271	ALL	637886.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06
2272	ALL	637926.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06
2273	ALL	637966.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-06
2274	ALL	638086.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06
2275	ALL	638126.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06
2276	ALL	638166.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06
2277	ALL	638206.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06
2278	ALL	638246.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06
2279	ALL	638366.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-06
2280	ALL	638406.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06
2281	ALL	635046.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05
2282	ALL	635086.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
2283	ALL	635126.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
2284	ALL	635166.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
2285	ALL	635206.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
2286	ALL	635246.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
2287	ALL	635286.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
2288	ALL	635326.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
2289	ALL	635366.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
2290	ALL	635406.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05
2291	ALL	635446.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05
2292	ALL	635606.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
2293	ALL	635646.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05
2294	ALL	635686.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
2295	ALL	635726.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05
2296	ALL	635766.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
2297	ALL	635806.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05
2298	ALL	635846.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05
2299	ALL	635886.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
2300	ALL	635926.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
2301	ALL	635966.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05
2302	ALL	637886.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06
2303	ALL	637926.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06
2304	ALL	637966.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06
2305	ALL	638086.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-06
2306	ALL	638126.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06
2307	ALL	638166.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06
2308	ALL	638206.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06
2309	ALL	638326.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-06
2310	ALL	638366.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-06
2311	ALL	638406.2	4271472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-06
2312	ALL	634126.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-06
2313	ALL	634166.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06
2314	ALL	634206.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-06
2315	ALL	634246.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06
2316	ALL	634286.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-06
2317	ALL	634326.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-06
2318	ALL	634366.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06
2319	ALL	634406.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-06
2320	ALL	634446.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-06
2321	ALL	635046.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
2322	ALL	635086.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
2323	ALL	635126.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
2324	ALL	635166.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
2325	ALL	635206.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
2326	ALL	635246.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
2327	ALL	635286.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
2328	ALL	635326.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
2329	ALL	635526.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
2330	ALL	635726.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05
2331	ALL	635766.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05
2332	ALL	635806.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
2333	ALL	635846.2	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2334	ALL	634126.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06
2335	ALL	634166.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06
2336	ALL	634206.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06
2337	ALL	634246.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06
2338	ALL	634286.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06
2339	ALL	634326.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06
2340	ALL	634366.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06
2341	ALL	634406.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-06
2342	ALL	634446.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
2343	ALL	634486.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2344	ALL	634526.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2345	ALL	634566.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2346	ALL	635446.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05
2347	ALL	635486.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
2348	ALL	635566.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
2349	ALL	635606.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04

2350	ALL	635686.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
2351	ALL	635726.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
2352	ALL	635766.2	4271552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2353	ALL	634006.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-06
2354	ALL	634046.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-06
2355	ALL	634086.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-06
2356	ALL	634126.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06
2357	ALL	634166.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-06
2358	ALL	634206.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06
2359	ALL	634246.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-06
2360	ALL	634286.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06
2361	ALL	634326.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06
2362	ALL	634366.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
2363	ALL	634406.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06
2364	ALL	634446.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-06
2365	ALL	634486.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2366	ALL	634526.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2367	ALL	634566.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2368	ALL	634606.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2369	ALL	634646.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
2370	ALL	635086.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
2371	ALL	635126.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05
2372	ALL	635166.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
2373	ALL	635206.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
2374	ALL	635246.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
2375	ALL	635366.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
2376	ALL	635486.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
2377	ALL	635526.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
2378	ALL	635566.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
2379	ALL	635646.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
2380	ALL	635686.2	4271592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2381	ALL	634046.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-06
2382	ALL	634086.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-06
2383	ALL	634126.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-06
2384	ALL	634166.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06
2385	ALL	634206.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06
2386	ALL	634246.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06
2387	ALL	634286.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
2388	ALL	634326.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-06
2389	ALL	634366.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06
2390	ALL	634406.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-06
2391	ALL	634446.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2392	ALL	634486.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2393	ALL	634526.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2394	ALL	634566.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
2395	ALL	634606.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2396	ALL	634646.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
2397	ALL	634686.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2398	ALL	635086.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05
2399	ALL	635126.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05
2400	ALL	635166.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
2401	ALL	635286.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
2402	ALL	635406.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
2403	ALL	635446.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2404	ALL	635486.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
2405	ALL	635526.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
2406	ALL	635606.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
2407	ALL	635646.2	4271632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
2408	ALL	634086.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06
2409	ALL	634126.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-06
2410	ALL	634166.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-06
2411	ALL	634206.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-06
2412	ALL	634246.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06
2413	ALL	634286.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06
2414	ALL	634326.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-06
2415	ALL	634366.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06
2416	ALL	634406.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06
2417	ALL	634446.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2418	ALL	634486.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2419	ALL	634526.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2420	ALL	634566.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2421	ALL	634606.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2422	ALL	634646.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2423	ALL	634686.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05
2424	ALL	634726.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2425	ALL	635206.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
2426	ALL	635326.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
2427	ALL	635366.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
2428	ALL	635406.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
2429	ALL	635446.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
2430	ALL	635486.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
2431	ALL	635566.2	4271672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
2432	ALL	634126.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06
2433	ALL	634166.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-06
2434	ALL	634206.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06
2435	ALL	634246.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06
2436	ALL	634286.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-06
2437	ALL	634326.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06
2438	ALL	634366.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
2439	ALL	634406.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06
2440	ALL	634446.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2441	ALL	634486.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2442	ALL	634526.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2443	ALL	634566.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05

2444	ALL	634606.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2445	ALL	634646.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2446	ALL	634686.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05
2447	ALL	634726.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2448	ALL	634766.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2449	ALL	635166.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
2450	ALL	635246.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
2451	ALL	635286.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
2452	ALL	635326.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
2453	ALL	635366.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
2454	ALL	635406.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
2455	ALL	635446.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
2456	ALL	635526.2	4271712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
2457	ALL	634206.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-06
2458	ALL	634246.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06
2459	ALL	634286.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-06
2460	ALL	634326.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-06
2461	ALL	634366.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-06
2462	ALL	634406.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2463	ALL	634446.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2464	ALL	634486.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2465	ALL	634526.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05
2466	ALL	634566.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2467	ALL	634606.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05
2468	ALL	634646.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05
2469	ALL	634726.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05
2470	ALL	634766.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
2471	ALL	634806.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
2472	ALL	635206.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
2473	ALL	635246.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
2474	ALL	635286.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
2475	ALL	635326.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
2476	ALL	635366.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
2477	ALL	635406.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
2478	ALL	635486.2	4271752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04
2479	ALL	634366.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-06
2480	ALL	634406.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2481	ALL	634446.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2482	ALL	634486.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2483	ALL	634526.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2484	ALL	634566.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2485	ALL	634606.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2486	ALL	634646.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
2487	ALL	634726.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2488	ALL	634766.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2489	ALL	634806.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
2490	ALL	634846.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
2491	ALL	635046.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
2492	ALL	635206.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2493	ALL	635246.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
2494	ALL	635286.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
2495	ALL	635326.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
2496	ALL	635446.2	4271792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04
2497	ALL	634606.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
2498	ALL	634646.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
2499	ALL	634686.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2500	ALL	634726.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2501	ALL	634766.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05
2502	ALL	634806.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
2503	ALL	634846.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
2504	ALL	635006.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
2505	ALL	635046.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
2506	ALL	635126.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
2507	ALL	635166.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2508	ALL	635206.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
2509	ALL	635246.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
2510	ALL	635286.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
2511	ALL	635366.2	4271832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
2512	ALL	635006.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
2513	ALL	635046.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05
2514	ALL	635086.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
2515	ALL	635126.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2516	ALL	635166.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
2517	ALL	635326.2	4271872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
2518	ALL	635006.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
2519	ALL	635046.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05
2520	ALL	635086.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
2521	ALL	635126.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
2522	ALL	635166.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04
2523	ALL	635206.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
2524	ALL	635246.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
2525	ALL	635286.2	4271912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
2526	ALL	635126.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
2527	ALL	635166.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
2528	ALL	635206.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
2529	ALL	635246.2	4271952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04
2530	ALL	635166.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04
2531	ALL	635206.2	4271992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04
2532	ALL	633966.2	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-06
2533	ALL	634966.2	4272232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
2534	ALL	634966.2	4272272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
2535	ALL	635006.2	4272272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04
2536	ALL	634926.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
2537	ALL	634966.2	4272312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04

2538	ALL	638685.9	4268031	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-06
2539	ALL	638365.9	4268071	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-06
2540	ALL	638405.9	4268071	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06
2541	ALL	638685.9	4268071	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06
2542	ALL	638205.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-06
2543	ALL	638245.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06
2544	ALL	638285.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-06
2545	ALL	638325.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06
2546	ALL	638365.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-06
2547	ALL	638405.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-06
2548	ALL	638685.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-06
2549	ALL	638925.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06
2550	ALL	638965.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-06
2551	ALL	639005.9	4268111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06
2552	ALL	638085.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-06
2553	ALL	638125.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-06
2554	ALL	638165.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-06
2555	ALL	638205.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-06
2556	ALL	638245.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06
2557	ALL	638285.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06
2558	ALL	638325.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-06
2559	ALL	638365.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-06
2560	ALL	638405.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-06
2561	ALL	638645.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-06
2562	ALL	638685.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-06
2563	ALL	638925.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06
2564	ALL	638965.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06
2565	ALL	639005.9	4268151	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-06
2566	ALL	638085.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-06
2567	ALL	638125.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06
2568	ALL	638165.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-06
2569	ALL	638205.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-06
2570	ALL	638245.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06
2571	ALL	638285.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-06
2572	ALL	638325.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-06
2573	ALL	638365.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-06
2574	ALL	638405.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06
2575	ALL	638645.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-06
2576	ALL	638685.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06
2577	ALL	638725.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-06
2578	ALL	638765.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-06
2579	ALL	638805.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06
2580	ALL	638845.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06
2581	ALL	638885.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06
2582	ALL	638925.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-06
2583	ALL	638965.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06
2584	ALL	639005.9	4268191	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-06
2585	ALL	638085.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06
2586	ALL	638125.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-06
2587	ALL	638165.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-06
2588	ALL	638205.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06
2589	ALL	638245.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-06
2590	ALL	638285.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-06
2591	ALL	638325.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-06
2592	ALL	638645.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-06
2593	ALL	638685.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06
2594	ALL	638725.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
2595	ALL	638765.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06
2596	ALL	638805.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06
2597	ALL	638845.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
2598	ALL	638885.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
2599	ALL	638925.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06
2600	ALL	638965.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06
2601	ALL	639005.9	4268231	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06
2602	ALL	638125.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06
2603	ALL	638165.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06
2604	ALL	638205.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-06
2605	ALL	638245.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06
2606	ALL	638285.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06
2607	ALL	638685.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06
2608	ALL	638725.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-06
2609	ALL	638765.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06
2610	ALL	638805.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-06
2611	ALL	638845.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06
2612	ALL	638885.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-06
2613	ALL	638925.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-06
2614	ALL	638965.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-06
2615	ALL	639005.9	4268271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06
2616	ALL	638725.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2617	ALL	638765.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2618	ALL	638805.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
2619	ALL	638845.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
2620	ALL	638885.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-06
2621	ALL	638925.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-06
2622	ALL	638965.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-06
2623	ALL	639005.9	4268311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-06
2624	ALL	638765.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2625	ALL	638805.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2626	ALL	638845.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-06
2627	ALL	638885.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-06
2628	ALL	638925.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
2629	ALL	638965.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06
2630	ALL	639005.9	4268351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06
2631	ALL	638805.9	4268391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05

2632	ALL	638845.9	4268391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2633	ALL	638885.9	4268391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-06
2634	ALL	638925.9	4268391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
2635	ALL	638965.9	4268391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06
2636	ALL	639005.9	4268391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06
2637	ALL	638845.9	4268431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2638	ALL	638885.9	4268431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06
2639	ALL	638925.9	4268431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-06
2640	ALL	638965.9	4268431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-06
2641	ALL	639005.9	4268431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
2642	ALL	638845.9	4268471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2643	ALL	638885.9	4268471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06
2644	ALL	638925.9	4268471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
2645	ALL	638965.9	4268471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06
2646	ALL	639005.9	4268471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06
2647	ALL	638085.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-06
2648	ALL	638125.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-06
2649	ALL	638165.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-06
2650	ALL	638205.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-06
2651	ALL	638245.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-06
2652	ALL	638285.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-06
2653	ALL	638325.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06
2654	ALL	638925.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-06
2655	ALL	638965.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-06
2656	ALL	639005.9	4268511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06
2657	ALL	638085.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06
2658	ALL	638125.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-06
2659	ALL	638165.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-06
2660	ALL	638205.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-06
2661	ALL	638245.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06
2662	ALL	638285.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-06
2663	ALL	638325.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06
2664	ALL	638365.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
2665	ALL	638405.9	4268551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06
2666	ALL	638085.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-06
2667	ALL	638125.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-06
2668	ALL	638165.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06
2669	ALL	638205.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06
2670	ALL	638245.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06
2671	ALL	638285.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-06
2672	ALL	638325.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
2673	ALL	638365.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06
2674	ALL	638405.9	4268591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
2675	ALL	638085.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-06
2676	ALL	638125.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06
2677	ALL	638165.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06
2678	ALL	638205.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-06
2679	ALL	638245.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06
2680	ALL	638285.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-06
2681	ALL	638325.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06
2682	ALL	638365.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
2683	ALL	638405.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-06
2684	ALL	638445.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2685	ALL	638765.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05
2686	ALL	638805.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2687	ALL	638845.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2688	ALL	638885.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
2689	ALL	638925.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2690	ALL	638965.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06
2691	ALL	639005.9	4268631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06
2692	ALL	638085.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-06
2693	ALL	638125.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-06
2694	ALL	638165.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-06
2695	ALL	638205.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-06
2696	ALL	638245.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06
2697	ALL	638285.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06
2698	ALL	638325.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-06
2699	ALL	638365.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06
2700	ALL	638405.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2701	ALL	638445.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2702	ALL	638645.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05
2703	ALL	638685.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
2704	ALL	638725.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
2705	ALL	638765.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
2706	ALL	638805.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2707	ALL	638845.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2708	ALL	638885.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
2709	ALL	638925.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2710	ALL	638965.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06
2711	ALL	639005.9	4268671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06
2712	ALL	638085.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06
2713	ALL	638125.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-06
2714	ALL	638165.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-06
2715	ALL	638205.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06
2716	ALL	638245.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06
2717	ALL	638285.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-06
2718	ALL	638325.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06
2719	ALL	638365.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
2720	ALL	638405.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2721	ALL	638445.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2722	ALL	638645.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05
2723	ALL	638685.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
2724	ALL	638725.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
2725	ALL	638765.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05

2726	ALL	638805.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05
2727	ALL	638845.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2728	ALL	638885.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
2729	ALL	638925.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2730	ALL	638965.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06
2731	ALL	639005.9	4268711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06
2732	ALL	638085.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06
2733	ALL	638125.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-06
2734	ALL	638165.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06
2735	ALL	638205.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-06
2736	ALL	638245.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-06
2737	ALL	638285.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06
2738	ALL	638325.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
2739	ALL	638365.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
2740	ALL	638405.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2741	ALL	638445.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
2742	ALL	638645.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
2743	ALL	638685.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
2744	ALL	638725.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
2745	ALL	638765.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
2746	ALL	638805.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
2747	ALL	638845.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05
2748	ALL	638885.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2749	ALL	638925.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2750	ALL	638965.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-06
2751	ALL	639005.9	4268751	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-06
2752	ALL	638085.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-06
2753	ALL	638125.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06
2754	ALL	638165.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-06
2755	ALL	638205.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06
2756	ALL	638245.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06
2757	ALL	638285.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06
2758	ALL	638325.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06
2759	ALL	638365.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2760	ALL	638405.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2761	ALL	638445.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2762	ALL	638685.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
2763	ALL	638725.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
2764	ALL	638765.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05
2765	ALL	638805.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
2766	ALL	638845.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05
2767	ALL	638885.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2768	ALL	638925.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2769	ALL	638965.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06
2770	ALL	639005.9	4268791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06
2771	ALL	638085.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-06
2772	ALL	638125.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-06
2773	ALL	638165.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06
2774	ALL	638205.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06
2775	ALL	638245.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06
2776	ALL	638285.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-06
2777	ALL	638325.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06
2778	ALL	638365.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2779	ALL	638405.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2780	ALL	638445.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2781	ALL	638725.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05
2782	ALL	638765.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
2783	ALL	638805.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
2784	ALL	638845.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
2785	ALL	638885.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-05
2786	ALL	638925.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2787	ALL	638965.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
2788	ALL	639005.9	4268831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
2789	ALL	638085.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-06
2790	ALL	638125.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-06
2791	ALL	638165.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-06
2792	ALL	638205.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06
2793	ALL	638245.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
2794	ALL	638285.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-06
2795	ALL	638325.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06
2796	ALL	638365.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2797	ALL	638405.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
2798	ALL	638445.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2799	ALL	638485.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
2800	ALL	638725.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
2801	ALL	638765.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2802	ALL	638805.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05
2803	ALL	638845.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2804	ALL	638885.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2805	ALL	638925.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2806	ALL	638965.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2807	ALL	639005.9	4268871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
2808	ALL	638085.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-06
2809	ALL	638125.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-06
2810	ALL	638165.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-06
2811	ALL	638205.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06
2812	ALL	638245.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-06
2813	ALL	638285.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
2814	ALL	638325.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06
2815	ALL	638365.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2816	ALL	638405.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2817	ALL	638445.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05
2818	ALL	638485.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-05
2819	ALL	638525.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05

2820	ALL	638565.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05
2821	ALL	638645.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
2822	ALL	638685.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
2823	ALL	638725.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
2824	ALL	638765.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
2825	ALL	638805.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
2826	ALL	638845.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05
2827	ALL	638885.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
2828	ALL	638925.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2829	ALL	638965.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2830	ALL	639005.9	4268911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-06
2831	ALL	638645.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
2832	ALL	638685.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
2833	ALL	638725.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
2834	ALL	638765.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
2835	ALL	638805.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
2836	ALL	638845.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05
2837	ALL	638885.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05
2838	ALL	638925.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2839	ALL	638965.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
2840	ALL	639005.9	4268951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-06
2841	ALL	638845.9	4268991	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
2842	ALL	638885.9	4268991	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05
2843	ALL	638925.9	4268991	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
2844	ALL	638965.9	4268991	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2845	ALL	639005.9	4268991	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-06
2846	ALL	638165.9	4269271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06
2847	ALL	638205.9	4269271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06
2848	ALL	638245.9	4269271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-06
2849	ALL	638285.9	4269271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2850	ALL	638325.9	4269271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
2851	ALL	638365.9	4269271	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
2852	ALL	637965.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-06
2853	ALL	638005.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06
2854	ALL	638045.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-06
2855	ALL	638085.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-06
2856	ALL	638125.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06
2857	ALL	638165.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06
2858	ALL	638205.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-06
2859	ALL	638245.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-06
2860	ALL	638285.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
2861	ALL	638325.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
2862	ALL	638365.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
2863	ALL	638405.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05
2864	ALL	638445.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
2865	ALL	638485.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05
2866	ALL	638525.9	4269311	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
2867	ALL	637925.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06
2868	ALL	637965.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-06
2869	ALL	638005.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06
2870	ALL	638125.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06
2871	ALL	638165.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-06
2872	ALL	638205.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06
2873	ALL	638245.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
2874	ALL	638285.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
2875	ALL	638325.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05
2876	ALL	638485.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
2877	ALL	638525.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
2878	ALL	638565.9	4269351	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
2879	ALL	637885.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-06
2880	ALL	637925.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-06
2881	ALL	638005.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-06
2882	ALL	638045.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-06
2883	ALL	638085.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
2884	ALL	638125.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
2885	ALL	638165.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06
2886	ALL	638205.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-06
2887	ALL	638245.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-06
2888	ALL	638285.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
2889	ALL	638325.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
2890	ALL	638365.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
2891	ALL	638405.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05
2892	ALL	638445.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
2893	ALL	638485.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-05
2894	ALL	638725.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
2895	ALL	638765.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
2896	ALL	638805.9	4269391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
2897	ALL	637845.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-06
2898	ALL	637885.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06
2899	ALL	637965.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-06
2900	ALL	638005.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
2901	ALL	638045.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-06
2902	ALL	638085.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06
2903	ALL	638125.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-06
2904	ALL	638165.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06
2905	ALL	638205.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
2906	ALL	638245.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
2907	ALL	638285.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2908	ALL	638325.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
2909	ALL	638365.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
2910	ALL	638405.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
2911	ALL	638445.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2912	ALL	638485.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
2913	ALL	638525.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05

2914	ALL	638565.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
2915	ALL	638765.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
2916	ALL	638805.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05
2917	ALL	638845.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
2918	ALL	638885.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2919	ALL	638925.9	4269431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2920	ALL	637805.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-06
2921	ALL	637885.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06
2922	ALL	637925.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-06
2923	ALL	637965.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
2924	ALL	638005.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06
2925	ALL	638045.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06
2926	ALL	638085.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-06
2927	ALL	638125.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06
2928	ALL	638165.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-06
2929	ALL	638205.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-06
2930	ALL	638245.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
2931	ALL	638285.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
2932	ALL	638325.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
2933	ALL	638365.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
2934	ALL	638405.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
2935	ALL	638445.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05
2936	ALL	638485.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
2937	ALL	638525.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
2938	ALL	638565.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
2939	ALL	638725.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
2940	ALL	638845.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
2941	ALL	638885.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2942	ALL	638925.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2943	ALL	638965.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2944	ALL	639005.9	4269471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2945	ALL	637765.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
2946	ALL	637805.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-06
2947	ALL	637845.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-06
2948	ALL	637885.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06
2949	ALL	637925.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-06
2950	ALL	637965.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06
2951	ALL	638005.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06
2952	ALL	638045.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-06
2953	ALL	638085.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06
2954	ALL	638125.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06
2955	ALL	638165.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-06
2956	ALL	638205.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-06
2957	ALL	638245.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
2958	ALL	638285.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
2959	ALL	638325.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2960	ALL	638365.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
2961	ALL	638405.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
2962	ALL	638445.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-05
2963	ALL	638485.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
2964	ALL	638525.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
2965	ALL	638565.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
2966	ALL	638725.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
2967	ALL	638765.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-05
2968	ALL	638805.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
2969	ALL	638845.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
2970	ALL	638885.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2971	ALL	638925.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
2972	ALL	638965.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
2973	ALL	639005.9	4269511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
2974	ALL	637765.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
2975	ALL	637805.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
2976	ALL	637845.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06
2977	ALL	637885.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-06
2978	ALL	637925.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06
2979	ALL	637965.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
2980	ALL	638005.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-06
2981	ALL	638045.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
2982	ALL	638085.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06
2983	ALL	638125.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-06
2984	ALL	638165.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06
2985	ALL	638205.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
2986	ALL	638245.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
2987	ALL	638285.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
2988	ALL	638325.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05
2989	ALL	638365.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
2990	ALL	638405.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
2991	ALL	638445.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05
2992	ALL	638485.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
2993	ALL	638525.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
2994	ALL	638565.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
2995	ALL	638725.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
2996	ALL	638765.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
2997	ALL	638805.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05
2998	ALL	638885.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
2999	ALL	638925.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
3000	ALL	638965.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
3001	ALL	639005.9	4269551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
3002	ALL	637725.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-06
3003	ALL	637805.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-06
3004	ALL	637845.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06
3005	ALL	637885.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-06
3006	ALL	637925.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-06
3007	ALL	638005.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06

3008	ALL	638045.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-06
3009	ALL	638085.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06
3010	ALL	638125.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-06
3011	ALL	638165.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-06
3012	ALL	638205.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06
3013	ALL	638245.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
3014	ALL	638285.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
3015	ALL	638325.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05
3016	ALL	638365.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
3017	ALL	638405.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
3018	ALL	638485.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
3019	ALL	638565.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
3020	ALL	638725.9	4269591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
3021	ALL	637964.9	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06
3022	ALL	638645.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
3023	ALL	638685.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-05
3024	ALL	638765.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
3025	ALL	638805.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
3026	ALL	638885.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
3027	ALL	638925.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05
3028	ALL	638965.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
3029	ALL	639005.4	4269592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
3030	ALL	638645.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
3031	ALL	638685.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
3032	ALL	638725.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
3033	ALL	638765.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
3034	ALL	638805.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
3035	ALL	638845.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
3036	ALL	638885.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05
3037	ALL	638925.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
3038	ALL	638965.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
3039	ALL	639005.4	4269632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05
3040	ALL	638645.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
3041	ALL	638685.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
3042	ALL	638725.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
3043	ALL	638765.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
3044	ALL	638805.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
3045	ALL	638845.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
3046	ALL	638925.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
3047	ALL	638965.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
3048	ALL	639005.4	4269672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
3049	ALL	638645.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
3050	ALL	638685.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
3051	ALL	638725.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
3052	ALL	638765.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
3053	ALL	638805.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
3054	ALL	638845.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
3055	ALL	638925.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
3056	ALL	638965.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
3057	ALL	639005.4	4269712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
3058	ALL	638645.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
3059	ALL	638685.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
3060	ALL	638725.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
3061	ALL	638765.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
3062	ALL	638805.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-05
3063	ALL	638845.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05
3064	ALL	638925.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
3065	ALL	638965.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
3066	ALL	639005.4	4269752	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
3067	ALL	638645.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
3068	ALL	638685.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
3069	ALL	638725.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
3070	ALL	638765.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
3071	ALL	638805.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05
3072	ALL	638845.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
3073	ALL	638885.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05
3074	ALL	638925.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
3075	ALL	638965.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
3076	ALL	639005.4	4269792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
3077	ALL	638645.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
3078	ALL	638685.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05
3079	ALL	638725.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
3080	ALL	638765.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
3081	ALL	638805.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
3082	ALL	638845.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05
3083	ALL	638885.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-05
3084	ALL	638965.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
3085	ALL	639005.4	4269832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
3086	ALL	638645.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
3087	ALL	638685.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
3088	ALL	638725.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
3089	ALL	638765.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
3090	ALL	638805.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
3091	ALL	638845.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-05
3092	ALL	638885.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
3093	ALL	638965.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05
3094	ALL	639005.4	4269872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
3095	ALL	638645.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3096	ALL	638685.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
3097	ALL	638725.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
3098	ALL	638765.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
3099	ALL	638805.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-05
3100	ALL	638845.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
3101	ALL	638885.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05

3102	ALL	638965.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
3103	ALL	639005.4	4269912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
3104	ALL	638645.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3105	ALL	638685.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
3106	ALL	638725.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
3107	ALL	638765.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
3108	ALL	638805.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05
3109	ALL	638845.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05
3110	ALL	638885.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-05
3111	ALL	638925.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
3112	ALL	639005.4	4269952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06
3113	ALL	638645.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3114	ALL	638685.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
3115	ALL	638725.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
3116	ALL	638765.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
3117	ALL	638805.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
3118	ALL	638845.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05
3119	ALL	638885.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05
3120	ALL	638925.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05
3121	ALL	638965.4	4269992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05
3122	ALL	638645.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
3123	ALL	638685.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
3124	ALL	638725.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
3125	ALL	638765.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
3126	ALL	638805.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
3127	ALL	638845.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05
3128	ALL	638885.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
3129	ALL	638925.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05
3130	ALL	638965.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
3131	ALL	639005.4	4270032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-06
3132	ALL	638645.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
3133	ALL	638685.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
3134	ALL	638725.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
3135	ALL	638765.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
3136	ALL	638805.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-05
3137	ALL	638845.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05
3138	ALL	638885.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
3139	ALL	638925.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
3140	ALL	638965.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05
3141	ALL	639005.4	4270072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06
3142	ALL	638645.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3143	ALL	638685.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
3144	ALL	638725.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
3145	ALL	638765.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
3146	ALL	638805.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05
3147	ALL	638845.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
3148	ALL	638885.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05
3149	ALL	638925.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05
3150	ALL	638965.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
3151	ALL	639005.4	4270112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-06
3152	ALL	638645.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
3153	ALL	638685.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
3154	ALL	638725.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
3155	ALL	638765.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
3156	ALL	638805.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05
3157	ALL	638845.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05
3158	ALL	638885.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
3159	ALL	638925.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
3160	ALL	638965.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
3161	ALL	639005.4	4270152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-06
3162	ALL	638645.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
3163	ALL	638685.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
3164	ALL	638725.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3165	ALL	638765.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
3166	ALL	638805.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-05
3167	ALL	638845.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
3168	ALL	638965.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-06
3169	ALL	639005.4	4270192	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-06
3170	ALL	638845.4	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
3171	ALL	638885.4	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
3172	ALL	638925.4	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05
3173	ALL	638965.4	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-06
3174	ALL	639005.4	4270232	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-06
3175	ALL	638645.4	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
3176	ALL	638725.4	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05
3177	ALL	638765.4	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05
3178	ALL	638805.4	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
3179	ALL	638845.4	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
3180	ALL	639005.4	4270272	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-06
3181	ALL	638645.4	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-05
3182	ALL	638725.4	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
3183	ALL	638765.4	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05
3184	ALL	638925.4	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-06
3185	ALL	638965.4	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06
3186	ALL	639005.4	4270312	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06
3187	ALL	638645.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
3188	ALL	638685.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
3189	ALL	638725.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05
3190	ALL	638765.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
3191	ALL	638805.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
3192	ALL	638925.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
3193	ALL	638965.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-06
3194	ALL	639005.4	4270352	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-06
3195	ALL	638645.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05

3196	ALL	638725.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
3197	ALL	638765.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
3198	ALL	638805.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05
3199	ALL	638845.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
3200	ALL	638885.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
3201	ALL	638925.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-06
3202	ALL	638965.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-06
3203	ALL	639005.4	4270392	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06
3204	ALL	638645.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
3205	ALL	638725.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05
3206	ALL	638765.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-05
3207	ALL	638805.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
3208	ALL	638845.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05
3209	ALL	638885.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
3210	ALL	638925.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-06
3211	ALL	638965.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06
3212	ALL	639005.4	4270432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-06
3213	ALL	638645.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
3214	ALL	638725.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05
3215	ALL	638765.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05
3216	ALL	638805.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
3217	ALL	638845.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
3218	ALL	638885.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-06
3219	ALL	638925.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-06
3220	ALL	638965.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-06
3221	ALL	639005.4	4270472	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-06
3222	ALL	638645.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05
3223	ALL	638725.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
3224	ALL	638765.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05
3225	ALL	638805.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05
3226	ALL	638845.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05
3227	ALL	638885.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-06
3228	ALL	638925.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06
3229	ALL	638965.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
3230	ALL	639005.4	4270512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-06
3231	ALL	638645.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05
3232	ALL	638725.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
3233	ALL	638765.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
3234	ALL	638805.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05
3235	ALL	638845.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-06
3236	ALL	638885.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-06
3237	ALL	638925.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-06
3238	ALL	638965.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-06
3239	ALL	639005.4	4270552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-06
3240	ALL	638645.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05
3241	ALL	638725.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05
3242	ALL	638765.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05
3243	ALL	638805.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05
3244	ALL	638845.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-06
3245	ALL	638885.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-06
3246	ALL	638925.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06
3247	ALL	638965.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06
3248	ALL	639005.4	4270592	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06
3249	ALL	638645.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
3250	ALL	638685.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05
3251	ALL	638725.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
3252	ALL	638765.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
3253	ALL	638805.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
3254	ALL	638845.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-06
3255	ALL	638885.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-06
3256	ALL	638925.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-06
3257	ALL	638965.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-06
3258	ALL	639005.4	4270632	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-06
3259	ALL	638645.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05
3260	ALL	638685.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
3261	ALL	638725.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
3262	ALL	638765.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06
3263	ALL	638805.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-06
3264	ALL	638845.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-06
3265	ALL	638885.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-06
3266	ALL	638925.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-06
3267	ALL	638965.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06
3268	ALL	639005.4	4270672	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06
3269	ALL	638645.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05
3270	ALL	638685.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
3271	ALL	638725.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-06
3272	ALL	638765.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-06
3273	ALL	638805.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-06
3274	ALL	638845.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-06
3275	ALL	638885.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-06
3276	ALL	638925.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-06
3277	ALL	638965.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-06
3278	ALL	639005.4	4270712	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06
3279	ALL	638645.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-06
3280	ALL	638685.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-06
3281	ALL	638725.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-06
3282	ALL	638765.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-06
3283	ALL	638805.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06
3284	ALL	638845.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-06
3285	ALL	638885.4	4270792	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-06
3286	ALL	638645.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-06
3287	ALL	638685.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-06
3288	ALL	638725.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-06
3289	ALL	638765.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-06

3290	ALL	638805.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06
3291	ALL	638845.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06
3292	ALL	638885.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06
3293	ALL	638925.4	4270832	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-06
3294	ALL	638645.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-06
3295	ALL	638685.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-06
3296	ALL	638725.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-06
3297	ALL	638765.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-06
3298	ALL	638805.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-06
3299	ALL	638845.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06
3300	ALL	638885.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-06
3301	ALL	638925.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-06
3302	ALL	638965.4	4270872	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-06
3303	ALL	638645.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06
3304	ALL	638685.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-06
3305	ALL	638725.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06
3306	ALL	638765.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-06
3307	ALL	638805.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06
3308	ALL	638845.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06
3309	ALL	638885.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06
3310	ALL	638925.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-06
3311	ALL	638965.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06
3312	ALL	639005.4	4270912	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-06
3313	ALL	638645.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-06
3314	ALL	638685.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-06
3315	ALL	638725.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-06
3316	ALL	638765.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06
3317	ALL	638805.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06
3318	ALL	638845.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-06
3319	ALL	638885.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-06
3320	ALL	638925.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06
3321	ALL	638965.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-06
3322	ALL	639005.4	4270952	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-06
3323	ALL	638645.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06
3324	ALL	638685.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-06
3325	ALL	638725.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-06
3326	ALL	638765.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06
3327	ALL	638805.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-06
3328	ALL	638845.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06
3329	ALL	638885.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-06
3330	ALL	638925.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-06
3331	ALL	638965.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-06
3332	ALL	639005.4	4270992	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06
3333	ALL	638645.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-06
3334	ALL	638685.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06
3335	ALL	638725.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06
3336	ALL	638765.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-06
3337	ALL	638805.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-06
3338	ALL	638845.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06
3339	ALL	638885.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06
3340	ALL	638925.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-06
3341	ALL	638965.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06
3342	ALL	639005.4	4271032	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06
3343	ALL	638645.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06
3344	ALL	638685.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-06
3345	ALL	638725.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-06
3346	ALL	638765.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-06
3347	ALL	638805.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06
3348	ALL	638845.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06
3349	ALL	638885.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-06
3350	ALL	638925.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-06
3351	ALL	638965.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-06
3352	ALL	639005.4	4271072	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06
3353	ALL	638645.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-06
3354	ALL	638685.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-06
3355	ALL	638725.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06
3356	ALL	638765.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-06
3357	ALL	638805.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06
3358	ALL	638845.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-06
3359	ALL	638885.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06
3360	ALL	638925.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-06
3361	ALL	638965.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-06
3362	ALL	639005.4	4271112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-06
3363	ALL	638605.5	4270391	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
3364	ALL	638605.5	4270431	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
3365	ALL	638605.5	4270471	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
3366	ALL	638605.5	4270511	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
3367	ALL	638605.5	4270551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-05
3368	ALL	638605.5	4270591	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05
3369	ALL	638605.5	4270631	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05
3370	ALL	638605.5	4270671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
3371	ALL	638605.5	4270711	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05
3372	ALL	638605.5	4270791	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05
3373	ALL	638605.5	4270831	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-06
3374	ALL	638605.5	4270871	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06
3375	ALL	638605.5	4270911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-06
3376	ALL	638605.5	4270951	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06
3377	ALL	638605.5	4270991	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-06
3378	ALL	638605.5	4271031	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06
3379	ALL	638605.5	4271071	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06
3380	ALL	638605.5	4271111	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-06
3381	ALL	637060.5	4271428	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05
3382	ALL	637144.2	4271358	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
3383	ALL	637162.3	4271343	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04

3384	ALL	637135.1	4271307	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
3385	ALL	637139.6	4271298	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
3386	ALL	637089.7	4271237	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
3387	ALL	637081.2	4271244	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
3388	ALL	637067.6	4271230	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
3389	ALL	637059.8	4271239	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
3390	ALL	637073.4	4271250	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
3391	ALL	637066.3	4271259	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
3392	ALL	637118.9	4271320	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
3393	ALL	637127.9	4271314	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
3394	ALL	637148.7	4271344	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
3395	ALL	637056.6	4271416	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
3396	ALL	637022.2	4271432	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
3397	ALL	636978.7	4271446	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
3398	ALL	636956	4271450	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
3399	ALL	636917.7	4271450	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
3400	ALL	636833.3	4271442	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
3401	ALL	636745.1	4271434	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
3402	ALL	636680.8	4271428	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
3403	ALL	636581.4	4271418	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
3404	ALL	636489.3	4271410	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
3405	ALL	636414.7	4271412	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
3406	ALL	636354.7	4271415	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
3407	ALL	636300.6	4271426	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
3408	ALL	636223.1	4271438	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
3409	ALL	636094.4	4271457	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
3410	ALL	636012.5	4271475	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
3411	ALL	635929.3	4271499	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
3412	ALL	635832.8	4271537	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
3413	ALL	635781.6	4271559	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
3414	ALL	635723.1	4271595	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
3415	ALL	635651.4	4271654	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
3416	ALL	635569.5	4271717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
3417	ALL	635497.9	4271763	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
3418	ALL	635436.4	4271813	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
3419	ALL	635348.7	4271899	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
3420	ALL	635268.2	4271978	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
3421	ALL	635193.6	4272049	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
3422	ALL	635154.1	4272082	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
3423	ALL	635102.9	4272027	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
3424	ALL	635079.5	4272063	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
3425	ALL	635082.5	4272094	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04
3426	ALL	635098.5	4272123	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
3427	ALL	634974.2	4272202	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
3428	ALL	634974.2	4272285	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
3429	ALL	634930.3	4272331	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
3430	ALL	634921.6	4272321	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
3431	ALL	634928.9	4272305	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
3432	ALL	634934.7	4272290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
3433	ALL	634931.8	4272284	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
3434	ALL	634917.2	4272306	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
3435	ALL	634904	4272329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
3436	ALL	634871.5	4272349	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
3437	ALL	634810	4272378	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
3438	ALL	634769.1	4272390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
3439	ALL	634694.5	4272382	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
3440	ALL	634631.6	4272373	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05
3441	ALL	634552.6	4272366	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-05
3442	ALL	634441.4	4272325	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05
3443	ALL	634296.6	4272265	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05
3444	ALL	634129.9	4272188	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06
3445	ALL	634042.1	4272147	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-06
3446	ALL	633982.4	4272112	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06
3447	ALL	633962.5	4272091	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-06
3448	ALL	633951.3	4272065	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-06
3449	ALL	633941.4	4272028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06
3450	ALL	633933.9	4272002	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-06
3451	ALL	633921.5	4271976	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-06
3452	ALL	633901.6	4271956	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-06
3453	ALL	633868	4271941	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-06
3454	ALL	633827	4271932	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-06
3455	ALL	633808.3	4271923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-06
3456	ALL	633788.4	4271908	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-06
3457	ALL	633774.8	4271891	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-06
3458	ALL	633753.6	4271828	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-06
3459	ALL	633710.1	4271691	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-06
3460	ALL	633693.3	4271700	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-06
3461	ALL	633765.1	4271899	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-06
3462	ALL	633786.5	4271929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-06
3463	ALL	633803.3	4271938	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06
3464	ALL	633831.6	4271943	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06
3465	ALL	633860.6	4271947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-06
3466	ALL	633881.9	4271953	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-06
3467	ALL	633908.7	4271973	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-06
3468	ALL	633921.7	4271994	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-06
3469	ALL	633931.6	4272031	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06
3470	ALL	633937.7	4272053	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06
3471	ALL	633918.6	4272053	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06
3472	ALL	633911.7	4272097	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-06
3473	ALL	633956	4272101	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-06
3474	ALL	634007.9	4272137	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-06
3475	ALL	634056.8	4272161	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-06
3476	ALL	634114.1	4272190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06
3477	ALL	634214.9	4272236	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-06

3478	ALL	634313.7	4272280	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05
3479	ALL	634496.1	4272359	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05
3480	ALL	634555.3	4272375	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05
3481	ALL	634638	4272385	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-05
3482	ALL	634746.7	4272396	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
3483	ALL	634773.2	4272395	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
3484	ALL	634790.1	4272394	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
3485	ALL	634810.9	4272389	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05
3486	ALL	634828.4	4272381	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-05
3487	ALL	634845.9	4272371	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05
3488	ALL	634857.6	4272363	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05
3489	ALL	634873.2	4272356	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
3490	ALL	634888.1	4272350	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
3491	ALL	634923.2	4272339	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
3492	ALL	634929	4272338	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
3493	ALL	634948.5	4272324	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
3494	ALL	634975.1	4272301	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
3495	ALL	634991.3	4272270	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04
3496	ALL	635047.8	4272254	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
3497	ALL	635110.7	4272224	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
3498	ALL	635172.2	4272170	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
3499	ALL	635251.2	4272096	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
3500	ALL	635343.3	4272006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
3501	ALL	635421.9	4271924	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
3502	ALL	635515.5	4271825	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
3503	ALL	635571.1	4271790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
3504	ALL	635606.2	4271772	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
3505	ALL	635606.2	4271733	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
3506	ALL	635629.6	4271717	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
3507	ALL	635620.9	4271693	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
3508	ALL	635689.4	4271635	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
3509	ALL	635729.6	4271600	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
3510	ALL	635767.6	4271576	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
3511	ALL	635798.4	4271561	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
3512	ALL	635851.6	4271538	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
3513	ALL	635882.7	4271524	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
3514	ALL	635911.8	4271512	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
3515	ALL	635954.5	4271499	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
3516	ALL	636030.9	4271478	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
3517	ALL	636077.5	4271468	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05
3518	ALL	636174.5	4271456	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05
3519	ALL	636228.7	4271448	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05
3520	ALL	636300.5	4271434	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
3521	ALL	636374.6	4271422	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05
3522	ALL	636470.9	4271418	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
3523	ALL	636535	4271420	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
3524	ALL	636617.5	4271428	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
3525	ALL	636772.2	4271443	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05
3526	ALL	636825	4271449	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
3527	ALL	636866.2	4271452	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
3528	ALL	636909.6	4271457	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05
3529	ALL	636940.2	4271459	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05
3530	ALL	636961.4	4271458	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05
3531	ALL	637012.1	4271446	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05

Appendix E

General Conformity Determination

Final General Conformity Determination

American River Watershed Common Features
2016 Project

March 19, 2021

Prepared by

U.S. Army Corps of Engineers, Sacramento District

Moore Noise, LLC

GEI Consultants, Inc.

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Final General Conformity Determination
American River Watershed Common Features 2016 Project

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Appendix B: *American River Common Features (ARCF) 2016 Air Pollutant Emissions Methods and Results to Support a General Conformity Determination*. Memorandum from Moore Noise, LLC. February 4, 2020

Appendix C: Updated Emissions Summary Tables (Based on Project Schedule as of March 2020)

Appendix D: Response to Comments on the Draft General Conformity Determination ARCF 2016

Acronyms and Abbreviations

ARCF	American River Common Features
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	Carbon monoxide
EPA	U.S. Environmental Protection Agency
GRR	General Reevaluation Report
NAAQS	National Ambient Air Quality Standards
NO_2	Nitrogen dioxide
NO_X	Nitrogen oxides
PM_{10}	Particulate matter with an aerodynamic diameter of 10 micrometers or less
$PM_{2.5}$	Particulate matter with an aerodynamic diameter of 2.5 micrometers or less
ppb	Parts per billion
ppm	Parts per million
RCEM	Road Construction Emissions Model
ROG	Reactive organic gases
SIP	State Implementation Plan
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO_2	Sulfur dioxide
USACE	U.S. Army Corps of Engineers
VOC	Volatile organic compounds
YSAQMD	Yolo-Solano Air Quality Management District
$\mu g/m^3$	Micrograms per cubic meter

General Conformity Determination
American River Watershed Common Features 2016 Project

The General Conformity regulations at Title 40 Code of Federal Regulations (CFR) Subchapter C Part 93 ensure that the actions taken by federal agencies do not interfere with a state's plans to attain and maintain national standards for air quality. This General Conformity Determination documents how the American River Common Features (ARCF) 2016 Project will meet the requirements of the General Conformity regulations.

Project Purpose and Description

The purpose of the ARCF 2016 Project is to reduce the risk of flooding within the Greater Sacramento metropolitan area.

The Sacramento metropolitan area is one of the urban regions most at risk of flooding in the United States. Constructed in the mid-twentieth century, the Sacramento River Flood Control Project was designed to protect the city from floodwaters as high as the known flood of record, which at the time of construction was the flood of 1927. A new record flood occurred in 1986, followed by a slightly smaller flood in January 1997, each of which caused levee failures and localized flooding. The primary risks to levee performance are seepage, underseepage, stability, erosion, and overtopping.

High water flows in both the American and Sacramento Rivers place considerable stresses on the network of levees protecting the Sacramento area. Without prompt improvement of weakened or sub-standard levee reaches, the levee system will remain at heightened risk of failure during periods of high water in the two rivers. The consequences of a major levee failure could be catastrophic because the protected area is highly urbanized and flooding could reach 20 feet deep, causing severe property damage, possible loss of life and serious contamination of drinking water supplies for downstream users.

The ARCF 2016 Project will construct approximately $1.5 billion in improvements to the Sacramento metropolitan area flood protection system, as recommended by the *American River Watershed Common Features General Reevaluation Report (GRR)*. Recommendations in the GRR include construction of levee improvement measures to address seepage, instability, erosion, and overtopping risks identified for the Sacramento River, Arcade Creek, Natomas East Main Drainage Canal (NEMDC), and Magpie Creek, as well as erosion control measures for specific locations along the American River, and widening of the Sacramento Weir and Bypass to provide capacity for diversion of a higher volume of flood flows into the Yolo Bypass.

In 2018, under the Bipartisan Budget Act (Public Law 115-123), Congress appropriated full funding for the ARCF 2016 Project under the Long-Term Disaster Recovery Investment Program (LTDRIP). U.S. Army Corps of Engineers (USACE) implementation guidance for the LTDRIP (Civil Works Director's Policy Memorandum # DPM CW 2018-09) requires that the project be implemented on a much accelerated schedule to meet the obligations of the federal funding under this program. To meet the accelerated schedule, this project must be completed by January of 2024. If not completed on this timeline, exposure to significant flood risk will persist, including loss of life, loss of agricultural production, damage to homes and businesses, and damage to public facilities.

Regulatory Background

This document pertains only to the federal General Conformity regulations. Applicable state and municipal air quality regulations are discussed in the *American River Watershed Common Features General Reevaluation Report Final Environmental Impact Statement /Environmental Impact Report (December 2015)* and in subsequent project-level reviews.

National Ambient Air Quality Standards

The U.S. Environmental Protection Agency (EPA) develops and enforces federal regulations that govern air quality. The Federal Clean Air Act (CAA) requires EPA to set National Ambient Air Quality Standards (NAAQS) for pollutants considered harmful to public health and the environment. The EPA has identified six "criteria" air pollutants of nationwide concern: ozone, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead, and particulate matter. Particulate matter is further subdivided into particulate with an aerodynamic diameter of 10 micrometers or less (PM_{10}) and particulates with an aerodynamic diameter of 2.5 micrometers or less ($PM_{2.5}$). Ozone is not directly emitted but is instead formed in heat and sunlight from the precursor pollutants of nitrogen oxides (NO_X) and volatile organic compounds (VOC). Although the definition varies slightly, Reactive Organic Gases (ROG) are frequently referred to interchangeably with VOC. SO_2, NO_X, and in some cases VOC and ammonia, are precursor pollutants for the formation of $PM_{2.5}$. Regulatory programs for the control of ozone focus on control of the precursor pollutants. Regulatory programs for the control of $PM_{2.5}$ focus on both direct emissions of $PM_{2.5}$ and precursor pollutants appropriate to the specific nonattainment area.

The CAA identifies two types of national ambient air quality standards. Primary standards provide public health protection, including protecting the health of "sensitive" populations such as asthmatics, children, and the elderly. Secondary standards provide public welfare protection, including protection against decreased visibility and damage to animals, crops, vegetation, and buildings.

EPA designates areas of the State as attainment, nonattainment, maintenance, or unclassified for the various pollutant standards. An "attainment" designation for an area signifies that pollutant concentrations do not exceed the established standard. In contrast to attainment, a "nonattainment" designation indicates that a pollutant concentration has exceeded, and continues to exceed, the established standard. Nonattainment may vary in severity. To identify the severity of the issue and the extent of planning and actions required to meet the standard, nonattainment areas are assigned classifications that are commensurate with the severity of their pollution. Areas that previously exceeded a standard, but have come into compliance, are referred to as maintenance areas. Upon redesignation to maintenance status, an area is required to operate under a maintenance plan which establishes emission reduction measures that will ensure continued compliance with the NAAQS. The maintenance planning period extends for 20 years (two 10-year periods) after the redesignation date. Once the 20-year maintenance planning period is over, the CAA General Conformity Rule no longer applies and the area is considered to be in attainment.

Table 1 shows the NAAQS standards for each of the criteria pollutants. Several NAAQS have been revoked and replaced with more stringent standards over the years. Areas that were in nonattainment of the revoked standards are still subject to requirements to demonstrate compliance, however General Conformity does not apply to revoked NAAQS. Revoked NAAQS are not shown in Table 1.

Under the provisions of the CAA, the EPA requires each state with regions that have not attained the NAAQS to prepare a State Implementation Plan (SIP) detailing how these standards are to be met in each local area. The SIP is a legal agreement between each state and the federal government to commit resources to improving air quality. It serves as the template for conducting regional- and project- level air quality analysis. The SIP is not a single document but a compilation of new and previously submitted attainment plans, maintenance plans, emissions reduction programs, district rules, state regulations, and federal controls. Nonattainment and maintenance areas have a unique geography for each pollutant based on the physical region of the nonattainment area, and the meteorology, sources, and mechanisms that contribute to violations of the NAAQS.

Table 1. National Ambient Air Quality Standards

Pollutant	Averaging Time	Primary Standards	Secondary Standards	Form
Carbon Monoxide (CO)	8-hour 1-hour	9 ppm 35 ppm	—	Not to be exceeded more than once per year
Lead (Pb)	Rolling 3-month average	0.15 µg/m^3	Same as Primary	Not to be exceeded
Nitrogen Dioxide (NO_2)	Annual	53 ppb	Same as Primary	Annual mean
	1-hour	100 ppb	—	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years
Particulate Matter (PM_{10})	24-hour	150 µg/m^3	Same as Primary	Not to be exceeded more than once per year on average over 3 years
Particulate Matter ($PM_{2.5}$)	Annual	12.0 µg/m^3	15.0 µg/m^3	Annual mean, averaged over 3 years
	24-hour	35 µg/m^3	Same as Primary	98th percentile, averaged over 3 years
Ozone (2015)	8-hour	70 ppb	Same as Primary	Annual fourth-highest daily maximum 8-hr concentration, averaged over 3 years
Ozone (2008)	8-hour	75 ppb	Same as Primary	Annual fourth-highest daily maximum 8-hr concentration, averaged over 3 years
Sulfur Dioxide (SO_2)	1-hour	75 ppb	—	99th percentile of 1-hour daily maximum concentrations, averaged over 3 years
	3-hour	—	0.5 ppm	Not to be exceeded more than once per year

Source: EPA 2019. ppm = parts per million; ppb = parts per billion; µg/m^3= micrograms per cubic meter; "—" = no applicable standard.

Attainment Status

Construction of the ARCF 2016 Project currently includes elements in Sacramento and Yolo Counties, and although construction is not currently planned in Solano, Sutter and Placer Counties, minor elements could affect these counties and they are included for completeness. Project emissions will also occur in the San Francisco Bay Area as materials are shipped, by barge, from expected locations adjacent to San Francisco and San Pablo Bays.

Table 2 lists the nonattainment and maintenance areas in the five counties, and their classification. The nonattainment and maintenance areas shown in Table 2 are located within two separate air basins: the Sacramento Valley and the San Francisco Bay Area.

Table 2. Attainment Status for the ARCF 2016 Project Area

Area Name Counties of Interest			
Sacramento Metro* Sacramento & Yolo (partial El Dorado, Placer, Solano, & Sutter)	**8-hr Ozone (2008)** 8-hr Ozone (2015)	***Nonattainment*** Nonattainment (recommended)	***Severe-15*** Moderate
Sacramento Sacramento; (partial El Dorado, Placer, Solano, & Yolo)	8-hr CO (2011) **$PM_{2.5}$ (2006)**	Maintenance** ***Nonattainment†***	Moderate Moderate
Sacramento County	PM_{10} (1987)	Maintenance	Moderate
San Francisco Bay Area (partial Solano)	8-Hour Ozone (2008) 8-Hour Ozone (2015) $PM_{2.5}$ (2006)	*Nonattainment* *Nonattainment* *Nonattainment*	Marginal Marginal Moderate
San Francisco-Oakland-San Jose (partial Solano)	8-hr CO (2011)	Maintenance	Moderate
Lake Tahoe North Shore (partial Placer)	8-hr CO (2011)	Maintenance	Not Classified
Sutter Buttes (partial Sutter)	8-hr Ozone (2015)	Nonattainment	Marginal
Yuba City-Marysville (partial Sutter)	$PM_{2.5}$ (2006)	Maintenance	Moderate

Source: EPA 2019, EPA Greenbook, https://www3.epa.gov/airquality/greenbook/anayo_ca.html

*Sacramento Federal Ozone Nonattainment Area (SFONA)

**Sacramento completed its 20 years of maintenance of the CO standard on June 1, 2018.

† USEPA determined Sacramento $PM_{2.5}$ area attained the 2006 24-hr. (2006) NAAQS in May 2017, based on certified 2013-2015 monitoring data. Redesignation Request to be updated and submitted to USEPA.

The boundaries of the nonattainment and maintenance areas designated for implementation of rules and regulations to improve air quality are described in the individual SIPs for the pollutants in question, or are published in the Federal Register at Title 40 CFR, Subchapter C Part 81. The nonattainment and maintenance areas expected to be affected by ARCF 2016 Project emissions are:

- The Sacramento Federal Ozone Nonattainment Area (SFONA) which includes all of Sacramento and Yolo counties and portions of Placer, El Dorado, Solano, and Sutter counties.
- The Sacramento Federal $PM_{2.5}$ Nonattainment Area which is slightly smaller than the ozone nonattainment area and includes all of Sacramento County and portions of Yolo, Solano, Placer and El Dorado counties.
- The Sacramento PM_{10} Maintenance Area which includes all of Sacramento County.
- The San Francisco Bay Area Intrastate Air Quality Control Area (San Francisco AQCA, the 8-hour Ozone and $PM_{2.5}$ nonattainment area) which includes all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties and portions of Sonoma and Solano counties.

For the Sacramento Valley Air Basin, the ozone, PM_{10}, and $PM_{2.5}$ nonattainment and maintenance areas have different geographic footprints. For screening purposes, total project emissions for the entire SFONA, which has the largest geographic area, are analyzed and the smaller nonattainment or maintenance area emissions are only considered separately if needed.

General Conformity Components

The General Conformity process has four main components: an emissions analysis, an applicability determination, mitigation commitments, and an agency and public review. A discussion of each component of the process follows. The General Conformity Determination is the responsibility of the federal agency (USACE for the ARCF 2016 Project) and is subject to review by the air agencies for the local airsheds, the EPA, other agencies, and the public.

Emissions Analysis

An analysis of all direct and indirect emissions associated with the federal action must be completed and compared to *de minimis* thresholds to determine if General Conformity is applicable to the action. For the ARCF 2016 Project, emissions were estimated using the Sacramento Metropolitan Air Quality Management District's (SMAQMD's) *Road Construction Emissions Model* (RCEM), Version 8.1.0. The RCEM was developed by SMAQMD to analyze emissions from linear projects such as roadways, and for the ARCF 2016 Project. Emissions from barges were estimated using the SMAQMD *Harborcraft, Dredge and Barge Emissions Factor Calculator.* The emissions analysis is documented in a memorandum titled *American River Common Features 2016 Air Pollutant Emissions Methods and Results to Support a General Conformity Determination*, which is included in Appendix B to this document. Emission sources analyzed included a wide range of construction equipment and activities, on-road mobile sources (construction material delivery trucks and motor vehicles driven by contractor employees), as well as barge emissions resulting from the delivery of quarry rock and aggregate. The analysis memorandum evaluated two cases to address possible schedule slippage for project elements.

After the memorandum was prepared, USACE updated its anticipated project schedule. Although the component projects, the underlying modeling assumptions, and results did not change, the expected year of construction changed for many of the component projects. Erosion projects which were originally planned to be constructed in multiple years were consolidated into single construction seasons. As a result, the way that the component projects and model results were distributed among calendar years changed. Appendix C to this document contains several tables from the memorandum, updated to reflect USACE's best available schedule assumptions as of March 2020. Emission tables included in this General Conformity Determination document are consistent with these best available schedule assumptions.

The ARCF 2016 Project will be completed through numerous separate contracts over a minimum five-year period. Many elements of the Project are still in the design phase. Consequently, actual emissions will vary from the estimates set forth in this document. Conservative assumptions regarding construction methods and timing were used in the emissions analysis to determine the overall levels of control and mitigation that will be required. Table 3 shows the estimated total uncontrolled (no equipment controls applied; standard vehicle fleet assumptions) project emissions by year in the SFONA and the San Francisco AQCA. See Appendix C for project components and emission summation by year. Only nonattainment and maintenance pollutants are included in Table 3. Uncontrolled SO_2 emissions are estimated to be negligible in both the SFONA and the San Francisco AQCA and therefore are not shown in Table 3.

Table 3. Estimated Uncontrolled Emissions by Year and Control Area for the ARCF 2016 Project

Control Area	**Pollutant Emissions** (tons/yr.)			
SFONA	**ROG**	**NO_X**	**PM_{10}**	**$PM_{2.5}$**
2019	0.0	0.5	3.3	0.7
2020	3.4	**38.2**	8.3	2.9
2021	4.8	**52.6**	47.1	11.3
2022	7.8	**94.6**	97.2	22.8
2023	5.5	**65.1**	53.4	13.0
San Francisco AQCA	**ROG**	**NO_X**	**PM_{10}**	**$PM_{2.5}$**
2020	0.1	1.3	0.1	0.1
2021	0.5	8.0	0.4	0.3
2022	0.8	13.2	0.6	0.5
2023	1.0	16.8	0.8	0.7

Applicability

The General Conformity Rules established *de minimis* thresholds to screen projects for the potential to impose significant adverse air quality effects. Projects with annual total emissions from direct and indirect emissions less than the *de minimis* thresholds are not considered to be significant and do not require a General Conformity Determination. The *de minimis* thresholds vary based upon the severity of ambient pollution in an area. Table 4 summarizes the *de minimis* thresholds applicable for the ARCF 2016 Project area. Project emissions above these thresholds require a General Conformity Determination to demonstrate how emissions will be controlled and mitigated.

Table 4. General Conformity *De Minimis* Annual Thresholds for the ARCF 2016 Project Area

Control Area	Pollutant (NAAQS Standard)	Classification	*De Minimis* Threshold (tons per year)
SFONA	**Ozone (2008)**	**Severe – 15**	**25** (VOC and NO_X)
	PM_{10} (1987)	Maintenance	100
	$PM_{2.5}$ (2006)	Moderate	100 ($PM_{2.5}$, SO_2, and NO_X)
San Francisco AQCA	Ozone (2008)	Marginal	100
	$PM_{2.5}$ (2006)	Moderate	100 ($PM_{2.5}$, SO_2, and NO_X)

Note: VOC and ammonia are not considered precursor pollutants of concern for $PM_{2.5}$ formation in the Sacramento and San Francisco control areas.

Project emissions of criteria pollutants occurring within a nonattainment or maintenance area are compared to the applicable area thresholds for that pollutant, as displayed in Table 4 above. A comparison of the estimated uncontrolled ARCF 2016 Project emissions in Table 3 to the General Conformity thresholds in Table 4 shows that uncontrolled project pollutant emissions estimated within the San Francisco AQCA are a fraction of the *de minimis* thresholds for ROG, PM_{10}, and $PM_{2.5}$. And estimated project emissions of the fourth pollutant, NOx, in the San Francisco AQCA fall below the annual *de minimis* threshold. Within the SFONA, the estimated uncontrolled project emissions for ROG, PM_{10}, and $PM_{2.5}$ all fall below the *de minimis* thresholds. Estimated project emissions fall below *de minimis* level for NO_X as a precursor to secondary $PM_{2.5}$ formation.

Uncontrolled project NO_X emissions as a contributor to ozone formation within the SFONA are estimated to exceed the *de minimis* threshold, and therefore a General Conformity Determination is required for NO_X emissions within the SFONA.

Mitigation Commitments

Although General Conformity applies only to emissions over the thresholds, state and municipal air regulations require control of project pollutant emissions, and related reduction and mitigation commitments, as prescribed through the California Environmental Quality Act process. These commitments are discussed in the *American River Watershed Common Features General Reevaluation Report Final Environmental Impact Statement /Environmental Impact Report (December 2015)* and in supplemental documents addressing individual project elements.

Construction of the ARCF 2016 Project will require the use of many pieces of heavy construction equipment. The volume of required equipment can affect the ability of construction and equipment rental companies to provide a low-emitting vehicle fleet. USACE performed outreach to the construction industry to get feedback on the level of emissions control available on the overall construction fleet potentially available to complete the ARCF 2016 Project. Feedback from the construction industry supported a reasonably assumed ARCF 2016 construction equipment fleet with 90 percent of off-road equipment engines meeting EPA Tier 4 standards. Additionally, USACE has determined that further emission reductions can be achieved by requiring the use of equipment that meets a minimum Tier 1 standard (i.e., no Tier 0 or uncontrolled equipment would be allowed on site, without approval by the Corps. In order to gain approval, contractors must provide updated emissions estimates showing how the Tier 1 standard could be achieved through offsets or additional mitigation implementation).

USACE will first reduce NO_X emissions through specification of an emissions-controlled vehicle fleet, and secondly through obtaining NO_X offsets for any year in which the emissions with implementation of equipment controls exceed the *de minimis* threshold of 25 tons of NO_X emitted within the SFONA boundary. Table 5 lists the estimated NO_X emissions in the SFONA for the ARCF 2016 Project with equipment controls applied, assuming on-road truck emissions will be equivalent to emissions from model year 2010 or newer for the entire on-road truck fleet, and off-road equipment will achieve a fleetwide NO_X reduction equivalent to 90 percent of the emissions reduction if all equipment were equipped with Tier 4 engines. The 2015 ARCF GRR FEIS/EIR details emission control practices and mitigation measures in Section 3.11.6, Mitigation Measures.

Table 5. Estimated ARCF 2016 Controlled Emissions in the SFONA by Year and Air District

Year	**NO_x Emissions** (tons per year)		
	SFONA	***SMAQMD***	***YSAQMD***
2019	0.5	0.5	--
2020	5.1	5.1	--
2021	15.9	9.9	6.0
2022	**35.3**	30.8	4.5
2023	**30.3**	24.0	6.3

NOTE: Emissions calculations assume on-road equipment fleet achieves overall emissions of 2010 or newer model vehicles and 90% of the on-site equipment meets Tier 4 standards.

All direct and indirect emissions occurring within the SFONA must be considered in determining General Conformity applicability. The SFONA overlaps portions of multiple local air quality management districts. Table 5 and Figure 1 show the respective portions of estimated annual SFONA emissions generated in the Sacramento Metro AQMD and Yolo-Solano AQMD by ARCF 2016 Project construction. The Project emissions will primarily be generated from within the SMAQMD. The Sacramento Weir widening and associated levee improvement contracts occur within the Yolo-Solano Air Quality Management District (YSAQMD). No ARCF 2016 Project construction is planned in the higher elevation local air quality jurisdictions. That upper northeastern reach of the SFONA extends into parts of the Placer County Air Pollution Control District, Feather River AQMD, and El Dorado County AQMD.

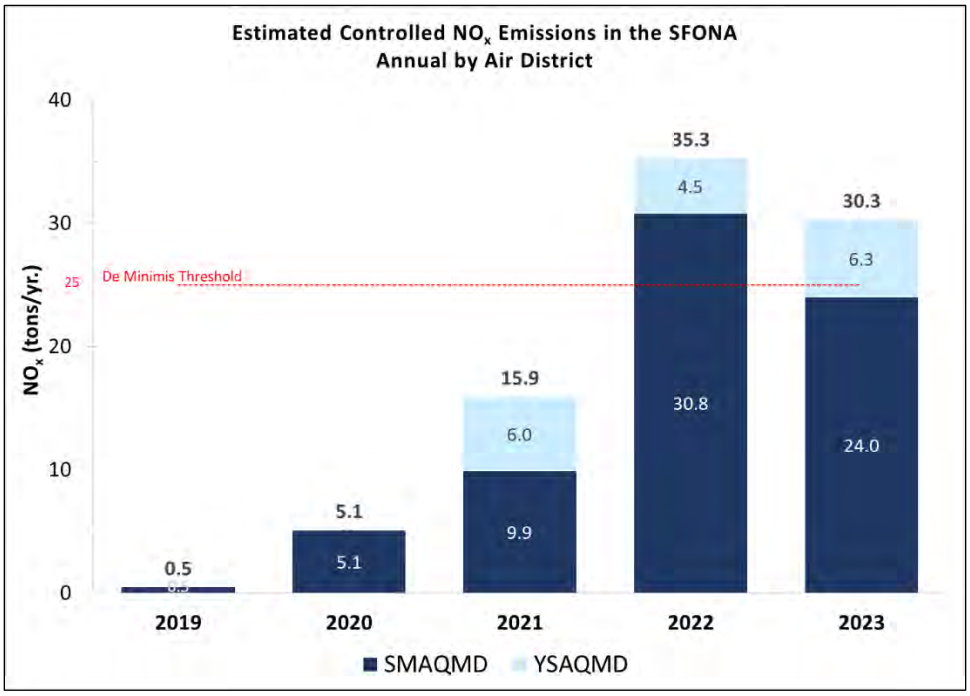

Figure 1. Estimated ARCF 2016 NO_x emissions in the SFONA Sacramento Metro and Yolo-Solano Air Quality Management Districts.

To mitigate the project's NO_X emissions within the SFONA, USACE will obtain NO_X emissions offsets from the local air quality agencies to fully offset total NO_X emissions – with construction fleet emissions controls applied – in 2022 and 2023. Emission offsets will not be required if emissions can be maintained below 25 tons per year of NO_X in the SFONA through equipment control measures.

Agency Reporting and Public Review

USACE must provide a notice of the Federal agency's Draft General Conformity Determination on the proposed action to the following parties at least 30 days before issuing a Final General Determination:

- The EPA Region 9 Office
- State and local air quality agencies
- Any federally-recognized Indian tribal government in the SFONA
- Where applicable, affected Federal land managers
- The agency designated under section 174 of the Act (the California Air Resources Board)
- The Metropolitan Planning Organization

Within 30 days after a Final General Conformity Determination is made, USACE must again notify the same parties.

USACE must make public its Draft General Conformity Determination by placing a notice by prominent advertisement in a daily newspaper of general circulation in the area affected by the ARCF 2016 Project, and by providing 30 days for written public comment prior to taking any formal action on the Draft Determination.

Following the public comment period on the Draft General Conformity Determination, the USACE must document responses to all comments received. The Final General Conformity Determination must be made public by placing a notice by prominent advertisement in a daily newspaper of general circulation in the area affected by the action within 30 days of the Final General Conformity Determination. Upon request by any person, comments and responses must be made available within 30 days of the Final General Conformity Determination. Both Draft and Final General Conformity Determinations for American River Watershed Common Features 2016 Project will be available on the USACE website for Sacramento Area Levees: sacleveeupgrades.com.

General Conformity Determination

The ARCF 2016 Project will be in conformity with the Clean Air Act and will not cause or contribute to a new violation, nor increase the frequency or severity of existing violations of the NAAQS. The following mitigation measures will be implemented to maintain conformity:

Measure 1: Actual project emissions of nonattainment and maintenance pollutants occurring within the SFONA will be tracked monthly using tools acceptable to the SMAQMD and YSAQMD. The tracking data will verify that all pollutants remain below the General Conformity *de minimis* thresholds, or are fully mitigated and offset. If actual tracked emissions exceed 25 tons per year NOx, yet the emissions were prospectively estimated at below the *de minimis* threshold, then USACE would obtain offsets to fully mitigate emissions accordingly.

Measure 2: In any calendar year where the project's equipment control measures are expected to be insufficient to maintain project NO_X emissions within the SFONA below the general conformity *de minimis* threshold of 25 tons per year, offsets will be obtained (through purchase or loan) to fully offset the project's total direct and indirect NO_X emissions for that year.

Measure 3 (equipment control measure): USACE will require the use of on-road trucks with 2010 or newer model year engines, or an equivalent emission reduction, in all construction contracts. Construction contracts will allow the use of older model trucks in limited circumstances with a contractor proposed program to reduce vehicle miles travelled and with pre-approved total project emissions estimates for the year.

Measure 4 (equipment control measure): USACE will require the use of Tier 4 emission control technology equivalent to a minimum 90 percent reduction, based on off-road equipment horsepower, relative to the reduction achievable if all equipment used Tier 4 control technology for NO_X emissions from off-road construction equipment. For the remaining 10%, all equipment must meet a minimum Tier 1 standard. No Tier 0 or uncontrolled equipment will be allowed on site, without approval by USACE. For compliance and approval, contractors must provide updated emissions estimates showing how the Tier 1 standard could be achieved through offsets or additional mitigation implementation.

Measure 5: Mitigation offsets will be obtained from the SMAQMD for NO_X emitted within the SFONA and Sacramento County. NO_X mitigation offsets will be obtained through the normal process described in SMAQMD Rule 205 Community Bank and Priority Reserve Bank. Specific sections of Rule 205 applicable to meeting the timing requirements of General Conformity Offsets are:

- Section 310 – Community Bank Account Approval Process,
- Section 314 – Reserving Essential Public Services Account Credits,
- Section 405 – Loan Initiation Date, and 500 – Monitoring and Records.

SMAQMD Emission Reduction Credit loan applications shall be submitted to the SMAQMD by June 14 of the year prior to emissions being offset, in order to ensure timely processing of the transaction and payment of all fees prior to January 1 of the following year.

Measure 6: Mitigation offsets will be obtained from the YSAQMD for NO_X emitted within the SFONA and the YSAQMD boundaries in accordance with the YSAQMD Rule 3.5 Emission Reduction Credits (ERC):

- Section 305 – Use of ERCs: Banking,
- Section 306 – Use of ERCs: Offsets
- Section 408 – Conversion of Air Emissions to ERCs.

USACE proposes to pay the YSAQMD a minimum deposit of 10% of the fees for each year's estimated emissions prior to January 1 of that year. Emission Reduction Credit loans will be paid as described in the mitigation NO_X offsets agreement maintained with the YSAQMD, and in accordance with the YSAQMD Rules including 3.6 Priority Reserve. Appendix A provides a *Draft YSAQMD - ARCF 2016 NO_X Offset Agreement* example. Calculations for actual emissions will be submitted annually to the YSAQMD for review and approval by February 1 following the construction season.

Measure 7: If enough NO_X mitigation offsets are not available from the SMAQMD or the YSAQMD, the balance of offsets will be obtained from a neighboring local air district, in accordance with General Conformity regulations 40 CFR 93.150-165.

References

Moore Noise, LLC. Memorandum - American River Common Features (ARCF) 2016 Air Pollutant Emissions Methods and Results to Support a General Conformity Determination. February 4, 2020.

Sacramento Metropolitan Air Quality Management District (SMAQMD). *Road Construction Emissions Model* (RCEM), Version 8.1.0. Updated May 9, 2016.

Sacramento Metropolitan Air Quality Management District (SMAQMD). *Harborcraft, Dredge and Barge Emissions Factor Calculator.* Created September 15, 2006.

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US Environmental Protection Agency. *NAAQS Table*. Accessed October 16, 2019. https://www.epa.gov/criteria-air-pollutants/naaqs-table

US Environmental Protection Agency. Greenbook Nonattainment Areas - *California Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants*. Accessed October 16, 2019. https://www3.epa.gov/airquality/greenbook/anayo_ca.html

APPENDIX A

DRAFT

YSAQMD – ARCF 2016 NO_X Offset Agreement

Memo (DRAFT)

To: Wesley Wong / USACE Sacramento District

From: Paul Hensleigh / Yolo-Solano Air Quality Management District

cc:

Date: March 22, 2021

Re: American River Common Features – Air Quality Offset Fees

Introduction

The air quality analysis performed for the Environmental Impact Report/Statement (EIR/EIS) for the American River Common Features (ARCF 2016) General Reevaluation Report (GRR) project identified that emissions of nitrogen oxides (NOx) would be generated by construction activities associated with the project. The ARCF 2016 project includes widening the Sacramento Weir and making improvements to the levee system. NOx emissions will occur within the jurisdictions of both the Sacramento Metropolitan Air Quality Management District (SMAQMD) and the Yolo-Solano Air Quality Management District (YSAQMD). Both the SMAQMD and the YSAQMD are included by the EPA in the Sacramento Federal Ozone Nonattainment Area (SFNA[1]). As the lead agency for the ARCF, the U.S. Army Corps of Engineers (USACE) proposes to establish an offset lease agreement with the YSAQMD to mitigate NOx emissions within the boundaries of the YSAQMD to comply with federal General Conformity regulations.[2]

Policy Context

The federal General Conformity Requirement as specified in section 176(c)(4) of the Clean Air Act, as amended, applies to areas that do not meet federal air quality standards. General Conformity requires that federal projects within such areas conform to the applicable air quality attainment plan. Therefore, the federal EPA establishes annual thresholds or *de minimis* emission rates in nonattainment areas. If expected emissions from a federal project exceed the applicable de minimis threshold, emissions must be mitigated to "net zero" – effectively a complete mitigation of all emissions of the regulated criteria pollutant. The SFNA is currently designated as nonattainment for the federal ozone standard. Since ozone is not a directly emitted pollutant, General Conformity applies to the ozone precursors of reactive organic gases (ROG) and NOx. The General Conformity threshold is 25 tons of ROG or NOx per calendar year in the SFNA.

General Conformity Determination

YSAQMD staff reviewed the USACE's Draft General Conformity Determination (released to the public on March 23, 2020). The determination estimated that NOx emissions associated with ARCF 2016 construction activities would exceed the de minimis general conformity threshold within the SFNA (25 tons per year) in the years 2022 and 2023. Of these total emissions, 4.5 and 6.3 tons would be generated within the YSAQMD in 2022 and 2023 respectively.

[1] Referred to elsewhere in the GCD report as "SFONA."
[2] 40 CFR §93.150-165

Requested Offsets and Associated Fees

In the ARCF 2016 project EIR/EIS, the USACE proposed mitigation measures to reduce overall NOx emissions from the project. The USACE requests NOx offsets to fully mitigate NOx emissions generated within the YSAQMD when annual project emissions exceed the general conformity threshold. The USACE proposes to provide payment of offset fees to the YSAQMD, which will be used by the YSAQMD to obtain emission reductions within its jurisdiction. Offset fees will be funded through an ERC (Emissions Reduction Credits) loan, subject to the YSAQMD Rules and CAA regulations, and are estimated on the following basis:

- The offset fee rate per ton of NOx will be equivalent to the cost-effectiveness limit used by the YSAQMD to implement its FARMER agricultural-equipment replacement program. This rate is currently $18,262 per ton of NOx.
- The estimated loan amount for 2022 NOx offsets is $18,262/ton x 4.5 tons = $82,179.
- The estimated loan amount for 2023 NOx offsets is $18,262/ton x 6.3 tons = $115,050.
- The USACE will provide an additional 10 percent administrative fee for implementation of the NOx offset program. Consequently, the total estimated amount to offset NOx emissions in the YSAQMD in 2022 is $82,179 x 1.1 = $90,396.90 and
  2023 is $115,050 x 1.1 = $126,555.
- The USACE proposes to pay a non-refundable deposit equal to 10% of the estimated amount for each year prior to the beginning of that year. Construction information collected during the course of the year will be used to determine the actual amount of emissions generated. These calculations will be submitted to the YSAQMD by February 1st 2023 and 2024 for review and approval. Actual emissions may be greater or less than the estimated emissions. Based on the collected construction information at the end of a year, any balance due will be paid to the YSAQMD by March 1st of 2023 and 2024.

Monitoring of Offset Fee Projects

The YSAQMD will provide the USACE with a list of the YSAQMD emission reduction program projects funded with ARCF offset fees, including a description of each YSAQMD project. If ARCF 2016 construction design developments or schedule changes lead to higher emissions than previously estimated, then the YSAQMD remains committed to assist the USACE in obtaining additional emission reduction credits for conformity with the Clean Air Acts. And if future construction design developments or schedule changes lead to substantially lower than previously estimated emissions, then the YSAQMD also intends to assist the USACE in applying emissions reduction credits throughout the ARCF 2016 for conformity with the Clean Air Acts. Therefore, the ARCF 2016 Project will not contribute to a new violation, nor increase the frequency or severity of existing violations of the NAAQS.

APPENDIX B

American River Common Features (ARCF) 2016
Air Pollutant Emissions Methods and Results to Support a General Conformity Determination

Memorandum from Moore Noise, LLC.
February 4, 2020

Moore Noise, LLC

Memo

To:	SAFCA and U.S. Army Corps
From:	Martha Moore / Moore Noise, LLC
c:	Drew Sutton / GEI Consultants
Date:	February 4, 2020
Re:	**American River Common Features (ARCF) 2016** **Air Pollutant Emissions Methods and Results to Support a General Conformity Determination**

Background

The American River Common Features (ARCF) 2016 Project will be in design, contracting and construction from 2019 through 2024. The U.S. Army Corp of Engineers (USACE), Sacramento Division is managing the ARCF 2016 Project. The ARCF 2016 Project is divided in four categories for purposes of design and contracting. The categories are: Erosion Protection, Sacramento Weir Widening, Stability and Seepage, and Mitigation. Multiple years of construction contracts are planned under each category.

Initial estimates of air pollutant emissions from construction of the ARCF Project exceeded the federal General Conformity Threshold of 25 tons per year for emissions of nitrogen oxides (NO_X) within the Sacramento Federal Nonattainment Area (SFNA) for ozone. NO_X contributes to the formation of ozone. Other pollutants of concern under the General Conformity regulations (40 Code of Federal Regulations [CFR] 98) for the Project area are particulates (PM) and volatile organic compounds (VOC). As a result of this exceedance, more detailed emission estimates were prepared in planning for compliance with the General Conformity regulations. This memorandum presents the methods used in the emissions estimates and the results of the estimates.

Methods

Information regarding design and expected construction methods were developed in coordination with the Project design teams using information developed through June 2019. Where design was not complete and information was preliminary, the assumptions developed to support the emission estimates were more conservative. In general, the goal was to develop emission estimates that are conservative (high), but reasonable, for use in planning for mitigation of project effects.

Once developed, information on material quantities and equipment for each of the four ARCF Project categories was input into the Road Construction Emissions Model (RCEM) Version 8.1.0. Version 8.1.0 is approved for use for federal compliance demonstrations. The Sacramento Metropolitan Air Quality Management District's (SMAQMD) *Harborcraft, Dredge and Barge Emission Factor Calculator* was used to calculate emission factors for use in estimating emissions from barge transport of construction materials.

RCEM Model Input Assumptions

Attachments 1 through 5 detail the modeling assumptions and summarize the input data for the RCEM for each of the ARCF Project categories. A list of the Attachment titles follows:

- Attachment 1 – Modeling Assumptions, Erosion Protection
- Attachment 2 – Modeling Assumptions, Sacramento Weir
- Attachment 3 – Modeling Assumptions, Seepage and Stability
- Attachment 4 – Modeling Assumptions, Mitigation Sites
- Attachment 5 – Roadway Construction Emissions Model Input Assumptions Summary for Each Project Contract

Results

Tables 1 through 6 summarize the results of the model runs and compare the results to the General Conformity Thresholds for the SFNA. Although all emissions shown in the summary tables will occur within the boundary of the SNFA and must be considered in total for comparison to the General Conformity thresholds, there are two air quality agencies with jurisdiction over the emissions. The Sacramento Weir category emissions will occur within the boundary of the Yolo Solano Air Quality Management District (YSAQMD). Emissions from all other categories will occur within the boundary of and under the jurisdiction of the SMAQMD.

The RCEM Input file for the unmitigated case for each contract and the RCEM Output file summary page for each model run are included in Attachment 6 – RCEM Input Files. The input files for the two other mitigation scenarios are identical to the unmitigated input file except for the selection within the RCEM under “Mitigation Options”. The table below shows the RCEM mitigation option for each scenario.

Modeling Scenario	RCEM Selections	
	On-Road Fleet	**Off-Road Equipment**
Unmitigated	No Mitigation	No Mitigation
On-Road Mitigated	2010 and Newer On-road Vehicles Fleet	No Mitigation
On-Road & All Tier 4 Mitigated	2010 and Newer On-road Vehicles Fleet	Tier 4 Equipment – All Tier 4 Equipment

Where unmitigated emissions are shown to be below the General Conformity Threshold, no further analysis was competed for that pollutant in this document. However, the mitigation commitments contained in Environmental Impact Statements and Reports for the Project and the contracts will be implemented and will reduce emissions for pollutants other than NO_X. For NO_X, the USACE is proposing to mitigate emissions first through requiring the use of a fleet of reduced emissions construction vehicles, and then obtaining NO_X emissions offsets through the SMAQMD for the Erosion Protection, Seepage and Stability, and Mitigation category emissions; and through the YSAQMD for the Sacramento Weir category emissions.

Tables 1, 2 and 3 show emissions with no vehicle fleet mitigation, for mitigation applied to only on-road vehicles, and for the fully mitigated case for both on-road and off-road vehicles. USACE is committing to aggressive control of construction vehicle emissions, including the following emissions controls for NO_X:

- 2010 and Newer On-Road Vehicle Fleet, with limited exceptions
- 90% of rated horsepower (HP) of the on-site construction fleet will be equipped with Tier 4 controls

- All on-site construction fleet will meet at least Tier 1 standards, with limited exceptions pre-approved by USACE.
- Limited exceptions would be allowed only with USACE approval and after contractors provide updated emission estimates showing compliance with total emissions or how emissions would be achieved through offsets or additional mitigation.

Emissions are shown with the 90 percent mitigation assumed for off-road vehicles and assuming that on-road vehicles can achieve emissions equivalent to 100 percent of the vehicle fleet being 2010 or newer. The mitigated vehicle fleet emissions are compared to the General Conformity Thresholds to determine the additional NO_X emissions mitigation that may be required in offset projects.

Two emission cases were considered to account for the possibility of schedule slippage to later years. Mitigation offsets for NO_X will be planned to cover the estimated worst case of the emissions scenarios in order to secure enough offsets to fully mitigate potential emissions. The worst case estimated emissions scenario is shown in Table 3. NO_X offsets will be needed in years 2021, 2022, and 2023 to fully mitigate the anticipated NO_X emissions. Because emissions offsets from the SMAQMD are allocated quarterly, Table 4 shows the anticipated allocation of emissions to calendar quarters. Tables 5 and 6 shows the allocation of the quarterly emissions to the SMAQMD and the YSAQMD.

As each contract is bid, emissions can be refined based on final design information to support the acquisition of and payment for the emission offsets needed, provided the timing to request offsets from the air agencies can be met.

Table 1
American River Common Features (ARCF) 2016
General Conformity Determination
Air Quality Emissions by Year and Project (Case 1)

2019

Project	*Tons/year (Umitigated)*			
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Reach D Contract 1 (SREL Seepage Berm)[1]	0.02	0.15	0.07	0.02
Reach D Contract 1 (Beach Stone Lake Mitigation Site)[1]	0.02	0.32	3.21	0.68
Total Emissions (Sum)	**0.0**	**0.5**	**3.3**	**0.7**

2020

90% **Specified % of HP mitigated with Tier 4 controls**

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 1	0.26	2.34	0.49	0.14	0.26	2.34	0.20	0.90	0.19	0.74
Sacramento River Erosion Contract 1	0.19	0.74	0.32	0.09	0.19	0.74	0.19	0.74	0.19	0.74
Sacramento River Erosion Contract 1 - Barge Emissions[2]	0.08	1.24	0.05	0.05	0.08	1.24	0.08	1.24	0.08	1.24
Sacramento River Seepage/ Stability Contract 1 - Berm and Wells	0.63	6.60	2.53	0.75	0.26	0.83	0.26	0.83	0.26	0.83
Sacramento River Seepage/ Stability Contract 1 - Cutoff Wall	2.82	31.60	5.77	2.18	1.30	4.27	1.30	4.27	1.30	4.27
Total Emissions (Sum)	**4.0**	**42.5**	**9.2**	**3.2**	**2.1**	**9.4**	**2.0**	**8.0**	**2.0**	**7.8**

2021

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 2	1.34	24.78	1.91	0.81	1.19	15.01	0.76	8.21	0.71	7.46
Sacramento River Erosion Contract 2	0.61	5.95	1.34	0.48	0.61	5.89	0.32	1.50	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.22	15.78	39.37	8.56	1.16	12.00	0.76	4.78	0.71	3.97
Sacramento Weir - Barge Emissions[2]	0.09	1.23	0.07	0.06	0.09	1.23	0.09	1.23	0.09	1.23
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	0.51	5.17	1.59	0.51	0.51	4.99	0.22	1.13	0.19	0.71
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	2.39	26.13	5.18	1.89	2.36	24.19	1.30	5.90	1.19	3.87
Total Emissions (Sum)	**6.6**	**84.6**	**49.8**	**12.6**	**6.4**	**68.9**	**3.9**	**28.4**	**3.6**	**23.9**

Table 1
American River Common Features (ARCF) 2016
General Conformity Determination
Air Quality Emissions by Year and Project (Case 1)

2022

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 2	1.24	21.82	1.85	0.75	1.10	13.70	0.75	7.93	0.71	7.29
Sacramento River Erosion Contract 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 3	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 3 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.76	16.98	53.59	11.67	1.75	16.14	1.11	4.47	1.04	3.17
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	1.93	20.21	4.70	1.61	1.90	18.84	1.12	4.89	1.04	3.34
Magpie Creek	0.52	8.34	0.67	0.30	0.48	5.45	0.33	3.03	0.31	2.77
Total Emissions (Sum)	**7.4**	**89.0**	**64.0**	**15.8**	**7.2**	**75.7**	**4.8**	**34.4**	**4.5**	**29.8**

2023

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Mitigation	0.22	1.90	33.11	6.96	0.22	1.89	0.13	0.52	0.13	0.37
Sacramento River Erosion Contract 3	0.52	4.71	1.28	0.43	0.52	4.71	0.31	1.37	0.29	1.00
Sacramento River Erosion Contract 3 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.24	10.75	44.52	9.61	1.24	10.74	0.83	2.87	0.79	1.99
Sacramento Weir - Barge Emissions[2]	0.27	3.41	0.19	0.17	0.27	3.41	0.27	3.41	0.27	3.41
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	0.43	4.09	2.41	0.65	0.43	4.08	0.22	1.02	0.19	0.68
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	0.40	3.85	1.29	0.40	0.40	3.83	0.25	1.04	0.23	0.73
Total Emissions (Sum)	**3.5**	**34.3**	**83.1**	**18.5**	**3.5**	**34.3**	**2.4**	**15.8**	**2.3**	**13.8**
General Conformity Thresholds	**25**	**25**	**100**	**100**	**25**	**25**	**25**	**25**	**25**	**25**

Notes: [1] From USACE; [2] No Mitigation

These estimates are preliminary and conservative. Emission estimates will change as the design for these contracts progresses. As a result, the actual emissions may vary somewhat and emissions may shift between years. In all cases analyzed, NOx mitigation offsets will be required in 2021, 2022, and 2023 to fully offset NOx emissions.

Table 2
American River Common Features (ARCF) 2016
General Conformity Determination
Air Quality Emissions by Year and Project (Case 2)

2019

Project	*Tons/year (Umitigated)*			
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Reach D Contract 1 (SREL Seepage Berm)[1]	0.02	0.15	0.07	0.02
Reach D Contract 1 (Beach Stone Lake Mitigation Site)[1]	0.02	0.32	3.21	0.68
Total Emissions (Sum)	**0.0**	**0.5**	**3.3**	**0.7**

2020

90% **Specified % of HP mitigated with Tier 4 controls**

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Sacramento River Seepage/ Stability Contract 1 - Berm and Wells	0.63	6.60	2.53	0.75	0.26	0.83	0.26	0.83	0.26	0.83
Sacramento River Seepage/ Stability Contract 1 - Cutoff Wall	2.82	31.60	5.77	2.18	1.30	4.27	1.30	4.27	1.30	4.27
Total Emissions (Sum)	**3.4**	**38.2**	**8.3**	**2.9**	**1.6**	**5.1**	**1.6**	**5.1**	**1.6**	**5.1**

2021

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 1	0.26	2.34	0.49	0.14	0.26	2.34	0.20	0.90	0.19	0.74
Sacramento River Erosion Contract 1	0.19	0.74	0.32	0.09	0.19	0.74	0.19	0.74	0.19	0.74
Sacramento River Erosion Contract 1 - Barge Emissions[2]	0.08	1.24	0.05	0.05	0.08	1.24	0.08	1.24	0.08	1.24
Sacramento Weir	1.23	16.32	39.39	8.56	1.16	12.15	0.77	5.05	0.73	4.26
Sacramento Weir - Barge Emissions[2]	0.09	1.23	0.07	0.06	0.09	1.23	0.09	1.23	0.09	1.23
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	0.51	5.17	1.59	0.51	0.51	4.99	0.22	1.13	0.19	0.71
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	2.39	26.13	5.18	1.89	2.36	24.19	1.30	5.90	1.19	3.87
Total Emissions (Sum)	**4.8**	**53.2**	**47.1**	**11.3**	**4.7**	**46.9**	**2.9**	**16.2**	**2.7**	**12.8**

Table 2
American River Common Features (ARCF) 2016
General Conformity Determination
Air Quality Emissions by Year and Project (Case 2)

2022

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 2	1.24	21.82	1.85	0.75	1.10	13.70	0.75	7.93	0.71	7.29
Sacramento River Erosion Contract 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 3	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 3 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.74	16.29	53.57	11.66	1.73	15.84	1.10	4.17	1.03	2.87
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	1.93	20.21	4.70	1.61	1.90	18.84	1.12	4.89	1.04	3.34
Magpie Creek	0.52	8.34	0.67	0.30	0.48	5.45	0.33	3.03	0.31	2.77
Total Emissions (Sum)	**7.4**	**88.3**	**64.0**	**15.8**	**7.2**	**75.4**	**4.8**	**34.1**	**4.5**	**29.5**

2023

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Mitigation	0.22	1.90	33.11	6.96	0.22	1.89	0.13	0.52	0.13	0.37
American River Erosion Contract 2	1.24	21.82	1.85	0.75	1.10	13.70	0.75	7.93	0.71	7.29
Sacramento River Erosion Contract 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 3	0.52	4.71	1.28	0.43	0.52	4.71	0.31	1.37	0.29	1.00
Sacramento River Erosion Contract 3 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.24	10.75	44.52	9.61	1.24	10.74	0.83	2.87	0.79	1.99
Sacramento Weir - Barge Emissions[2]	0.27	3.41	0.19	0.17	0.27	3.41	0.27	3.41	0.27	3.41
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	0.43	4.09	2.41	0.65	0.43	4.08	0.22	1.02	0.19	0.68
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	0.40	3.85	1.29	0.40	0.40	3.83	0.25	1.04	0.23	0.73
Total Emissions (Sum)	**5.7**	**67.0**	**86.6**	**19.9**	**5.6**	**58.8**	**3.9**	**30.8**	**3.7**	**27.7**
General Conformity Thresholds	**25**	**25**	**100**	**100**	**25**	**25**	**25**	**25**	**25**	**25**

Notes: [1] From USACE; [2] No Mitigation

These estimates are preliminary and conservative. Emission estimates will change as the design for these contracts progresses. As a result, the actual emissions may vary somewhat and emissions may shift between years. NOx mitigation offsets will be required in 2022, and 2023 to fully offset NOx emissions for Case 2.

Table 3

2/2/2020

American River Common Features (ARCF) 2016
General Conformity Determination
Air Quality Emissions Worst Case by Year

2019

Project	*Tons/year (Umitigated)*			
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Reach D Contract 1 (SREL Seepage Berm)[1]	0.02	0.15	0.07	0.02
Reach D Contract 1 (Beach Stone Lake Mitigation Site)[1]	0.02	0.32	3.21	0.68
Total Emissions (Sum)	**0.0**	**0.5**	**3.3**	**0.7**

2020

90% **Specified % of HP mitigated with Tier 4 controls**

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 1	0.26	2.34	0.49	0.14	0.26	2.34	0.20	0.90	0.19	0.74
Sacramento River Erosion Contract 1	0.19	0.74	0.32	0.09	0.19	0.74	0.19	0.74	0.19	0.74
Sacramento River Erosion Contract 1 - Barge Emissions[2]	0.08	1.24	0.05	0.05	0.08	1.24	0.08	1.24	0.08	1.24
Sacramento River Seepage/ Stability Contract 1 - Berm and Wells	0.63	6.60	2.53	0.75	0.26	0.83	0.26	0.83	0.26	0.83
Sacramento River Seepage/ Stability Contract 1 - Cutoff Wall	2.82	31.60	5.77	2.18	1.30	4.27	1.30	4.27	1.30	4.27
Total Emissions (Sum)	**4.0**	**42.5**	**9.2**	**3.2**	**2.1**	**9.4**	**2.0**	**8.0**	**2.0**	**7.8**

2021

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 2	1.34	24.78	1.91	0.81	1.19	15.01	0.76	8.21	0.71	7.46
Sacramento River Erosion Contract 2	0.61	5.95	1.34	0.48	0.61	5.89	0.32	1.50	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.22	15.78	39.37	8.56	1.16	12.00	0.76	4.78	0.71	3.97
Sacramento Weir - Barge Emissions[2]	0.09	1.23	0.07	0.06	0.09	1.23	0.09	1.23	0.09	1.23
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	0.51	5.17	1.59	0.51	0.51	4.99	0.22	1.13	0.19	0.71
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	2.39	26.13	5.18	1.89	2.36	24.19	1.30	5.90	1.19	3.87
Total Emissions (Sum)	**6.6**	**84.6**	**49.8**	**12.6**	**6.4**	**68.9**	**3.9**	**28.4**	**3.6**	**23.9**

2022

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 2	1.24	21.82	1.85	0.75	1.10	13.70	0.75	7.93	0.71	7.29
Sacramento River Erosion Contract 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 3	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 3 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.76	16.98	53.59	11.67	1.75	16.14	1.11	4.47	1.04	3.17
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	1.93	20.21	4.70	1.61	1.90	18.84	1.12	4.89	1.04	3.34
Magpie Creek	0.52	8.34	0.67	0.30	0.48	5.45	0.33	3.03	0.31	2.77
Total Emissions (Sum)	**7.4**	**89.0**	**64.0**	**15.8**	**7.2**	**75.7**	**4.8**	**34.4**	**4.5**	**29.8**

2023

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Mitigation	0.22	1.90	33.11	6.96	0.22	1.89	0.13	0.52	0.13	0.37
American River Erosion Contract 2	1.24	21.82	1.85	0.75	1.10	13.70	0.75	7.93	0.71	7.29
Sacramento River Erosion Contract 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 2 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 3	0.52	4.71	1.28	0.43	0.52	4.71	0.31	1.37	0.29	1.00
Sacramento River Erosion Contract 3 - Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.24	10.75	44.52	9.61	1.24	10.74	0.83	2.87	0.79	1.99
Sacramento Weir - Barge Emissions[2]	0.27	3.41	0.19	0.17	0.27	3.41	0.27	3.41	0.27	3.41
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	0.43	4.09	2.41	0.65	0.43	4.08	0.22	1.02	0.19	0.68
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	0.40	3.85	1.29	0.40	0.40	3.83	0.25	1.04	0.23	0.73
Total Emissions (Sum)	**5.7**	**67.0**	**86.6**	**19.9**	**5.6**	**58.8**	**3.9**	**30.8**	**3.7**	**27.7**
General Conformity Thresholds	**25**	**25**	**100**	**100**	**25**	**25**	**25**	**25**	**25**	**25**

Notes: [1] From USACE; [2] No Mitigation

These estimates are preliminary and conservative. Emission estimates will change as the design for these contracts progresses. As a result, the actual emissions may vary somewhat and emissions may shift between years. In all cases analyzed, NOx mitigation offsets will be required in 2021, 2022, and 2023 to fully offset NOx emissions.

Table 4
American River Common Features (ARCF) 2016
General Conformity Determination
Allocation of Annual NOx Emissions to Quarters
Includes Only Years Exceeding General Conformity Threholds After Use of Equipment Mitigation

2021

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
American River Erosion Contract 2	8.21			33%	67%	0.0	0.0	2.7	5.5
Sacramento River Erosion Contract 2	1.50			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento Weir	4.78	13%	32%	42%	13%	0.6	1.5	2.0	0.6
Sacramento Weir - Barge Emissions[2]	1.23	13%	32%	42%	13%	0.2	0.4	0.5	0.2
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	1.13		25%	38%	38%	0.0	0.3	0.4	0.4
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	5.90		43%	43%	14%	0.0	2.5	2.5	0.8
Total Emissions (Sum)	**28.4**								

2022

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
American River Erosion Contract 2	7.93			33%	67%	0.0	0.0	2.6	5.3
Sacramento River Erosion Contract 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 3	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento Weir	4.47	25%	25%	25%	25%	1.1	1.1	1.1	1.1
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	4.89		43%	43%	14%	0.0	2.1	2.1	0.7
Magpie Creek	3.03		25%	38%	38%	0.0	0.8	1.1	1.1
Total Emissions (Sum)	**34.4**								

2023

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Mitigation	0.52	25%	25%	25%	25%	0.1	0.1	0.1	0.1
American River Erosion Contract 2	7.93			33%	67%	0.0	0.0	2.6	5.3
Sacramento River Erosion Contract 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 3	1.37			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento Weir	2.87	13%	32%	42%	13%	0.4	0.9	1.2	0.4
Sacramento Weir - Barge Emissions[2]	3.41	13%	32%	42%	13%	0.4	1.1	1.4	0.4
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	1.02		43%	43%	14%	0.0	0.4	0.4	0.1
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	1.04		25%	38%	38%	0.0	0.3	0.4	0.4
Total Emissions (Sum)	**30.8**								

These estimates are preliminary and conservative. Emission estimates will change as the design for these contracts progresses. As a result, the actual emissions may vary somewhat and emissions may shift between years. In all cases analyzed, NOx mitigation offsets will be required in 2021, 2022, and 2023 to fully offset NOx emissions.

Table 5
American River Common Features (ARCF) 2016
General Conformity Determination
Allocation of Annual NOx Emissions to Quarters
Emissions Only within Sacramento Metro Air Quality Management District (SMAQMD)
Includes Only Years Exceeding General Conformity Threholds After Use of Equipment Mitigation

2021

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
American River Erosion Contract 2	8.21			33%	67%	0.0	0.0	2.7	5.5
Sacramento River Erosion Contract 2	1.50			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	1.13		25%	38%	38%	0.0	0.3	0.4	0.4
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	5.90		43%	43%	14%	0.0	2.5	2.5	0.8
Total Emissions (Sum)	**22.4**					0.0	2.8	9.3	10.3

2022

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
American River Erosion Contract 2	7.93			33%	67%	0.0	0.0	2.6	5.3
Sacramento River Erosion Contract 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 3	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	4.89		43%	43%	14%	0.0	2.1	2.1	0.7
Magpie Creek	3.03		25%	38%	38%	0.0	0.8	1.1	1.1
Total Emissions (Sum)	**29.9**					0.0	2.9	12.9	14.1

2023

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Mitigation	0.52	25%	25%	25%	25%	0.1	0.1	0.1	0.1
American River Erosion Contract 2	7.93			33%	67%	0.0	0.0	2.6	5.3
Sacramento River Erosion Contract 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 3	1.37			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	1.02		43%	43%	14%	0.0	0.4	0.4	0.1
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	1.04		25%	38%	38%	0.0	0.3	0.4	0.4
Total Emissions (Sum)	**24.5**					0.1	0.8	10.6	13.0

These estimates are preliminary and conservative. Emission estimates will change as the design for these contracts progresses. As a result, the actual emissions may vary somewhat and emissions may shift between years. In all cases analyzed, NOx mitigation offsets will be required in 2021, 2022, and 2023 to fully offset NOx emissions.

Table 6
American River Common Features (ARCF) 2016
General Conformity Determination
Allocation of Annual NOx Emissions to Quarters
Emissions Only within Yolo Solano Air Quality Management District (YSAQMD)
Includes Only Years Exceeding General Conformity Threholds After Use of Equipment Mitigation

2021

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Sacramento Weir	4.78	13%	32%	42%	13%	0.6	1.5	2.0	0.6
Sacramento Weir - Barge Emissions[2]	1.23	13%	32%	42%	13%	0.2	0.4	0.5	0.2
Total Emissions (Sum)	**6.0**								

2022

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Sacramento Weir	4.47	25%	25%	25%	25%	1.1	1.1	1.1	1.1
Total Emissions (Sum)	**4.5**								

2023

Project	*Tons/year (On-Road & 75% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Sacramento Weir	2.87	13%	32%	42%	13%	0.4	0.9	1.2	0.4
Sacramento Weir - Barge Emissions[2]	3.41	13%	32%	42%	13%	0.4	1.1	1.4	0.4
Total Emissions (Sum)	**6.3**								

These estimates are preliminary and conservative. Emission estimates will change as the design for these contracts progresses. As a result, the actual emissions may vary somewhat and emissions may shift between years. In all cases analyzed, NOx mitigation offsets will be required in 2021, 2022, and 2023 to fully offset NOx emissions.

Attachment 1

Modeling Assumptions

Erosion Protection

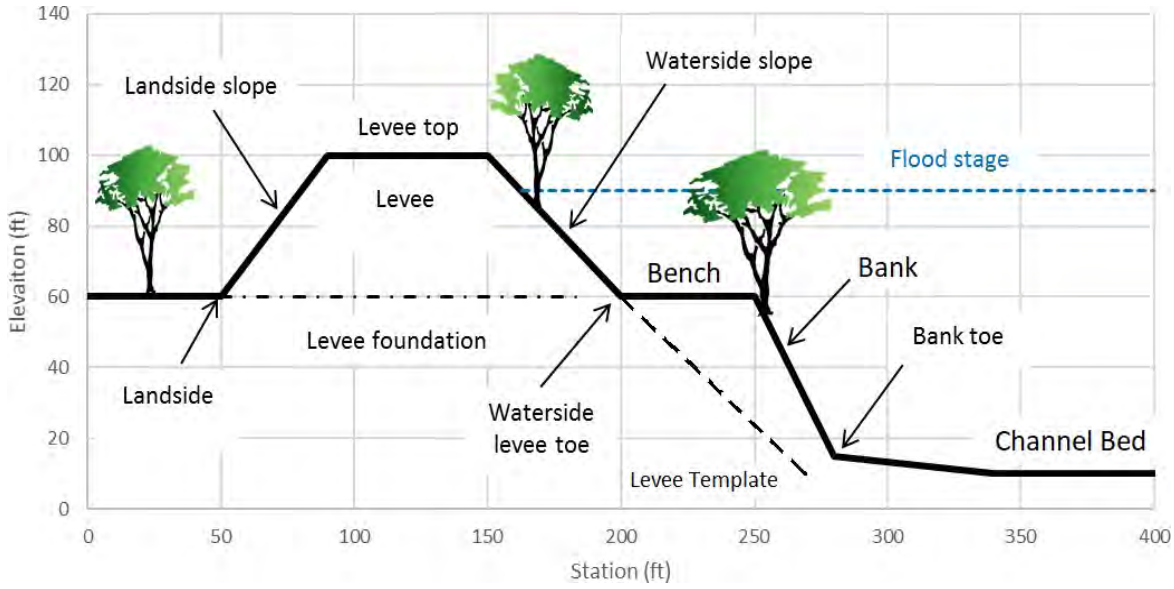
Supporting Calculations for Material Volumes, Equipment, and Quarterly Allocation of Emissions – Erosion Protection

General Information

The erosion protection contracts will construct erosion protection repairs on the American and Sacramento Rivers. The following table shows the currently anticipated and conservative schedule assumptions for construction of Erosion Protection contracts. Two cases are evaluated for timing. Case 1 is shown as X. Case two is shown as (X).

Year of Construction	2020	2021	2022	2023
American River				
Contract 1 (Subreach 2)	X	(X)		
Contract 2 (Subreaches 1, 3, 4)		X	X (X)	(X)
Contract 3 (for now assume not needed)				
Contract 4 (for now assume not needed)				
Sacramento River				
Contract 1 (55.2L)	X	(X)		
Contract 2		X	X (X)	(X)
Contract 3			X	X
Contract 4 (for now assume not needed)				

The following graphic shows common design elements for the Erosion Protection repair sites.



General Construction Methods for Erosion Protection (input from Joe Reynolds/USACE estimator) – rock is placed bottom to top. Above the water line – rock is placed with interstitial soil at approximately 70% rock/30% soil mix. On benches soil is placed on top of rock/soil layer for planting. Equipment can generally place 300 ton/hour, with ½ acre disturbed per day per site (Joe Reynolds, 4/11 email). For all projects we should assume end dump trucks at 15 cubic yards/truck trip.

For basic equipment assume tracked excavators and dozers (D6). An equipment set up for each site will consist of clam shell on barge to unload (or crane/loader for trucked material), dozer to push soil around, excavator to mix rock/soil, water truck. Multiple construction sites may operate simultaneously. Generally, grubbing is not performed. Vegetation is cut off at ground level for removal. Based on low to no grubbing, the total volume of exported material for the erosion contracts was adjusted down to 1,000 cubic yards per 15 acres for contracts without a cut bank. Cement will come from in-town Sacramento. Lime will come from Stockton.

American River Erosion

Project Definition: These contracts will provide erosion protection on the American River from the confluence with the Sacramento River upstream to the end of the federal levee system (approximately 11 miles) – this is broken into four subreaches for the project:

- Subreach 1 – Confluence to Paradise Bend
- Subreach 2 – Paradise Bend to Howe Avenue Bridge
- Subreach 3 – Howe Ave Bridge to Watt Ave Bridge
- Subreach 4 – Upstream of Watt Ave Bridge to end of the federal levee system (~RM 13, Goethe or Riverbend Park)

The American River in-water construction window is August 1 – October 31 (possibly Nov 30). Site preparation could occur prior to 8/1. Tree trimming will occur December to February to avoid nesting birds. Rip rap will be delivered to American River sites by truck. Rock import to construction sites will occur in June prior to the work window.

For the air quality emissions analysis, Subreach 2 (Contract 1) is used as the basis for estimating quantities of materials to be used for all American River Erosion contracts. Subreach 2 extends from about River Mile 5.1 near Paradise Bend upstream to RM 7.8 near the Howe Avenue bridge. Information on the current design plan for Subreach 2 was take from the *Lower American River Subreach 2 Summary of Bank Protection Conceptual Design Process (10% Basis of Design Report), Draft Report*, November 30, 2018.

Only material volumes for Subreach 2-1 are used to estimate material volumes for future years (Contract 2) based on the linear feet of erosion protection. Data for Subreach 2-3 includes a cut-bank design which is not assumed for other subreaches. The repair sites along Subreach 2 are:

Site 2-1: Repair site 2-1 includes 0.8 miles of the left bank between RM 5.8 and 6.6
Site 2-2: Repair site on the right bank starting near Howe Avenue and extending downstream about 1,000 feet (0.2 miles).
Site 2-3: Repair site located on the right bank that extends from about RM 7.2 downstream to RM 5.8. (1.4 miles)

The Contract 1 total Subreach length is approximately 2.4 miles (12,700 feet). Assuming a 100-foot wide construction corridor, this would be 29 acres. The area of clearing and grubbing (actual work area) is smaller and shown in the following tables.

Repair Site 2-1, 2-2, and 2-3 Quantities

Site	Material	Quantity	Unit
2-1	Rock Riprap	126,500	tons
2-1	Topsoil (Planting Benches	25,500	tons
2-1	Planting Area	2.5	acres
2-1	IWM	200	Trees
2-2	Rock Riprap	10,500	tons
2-2	Topsoil (Planting Benches	5,500	tons
2-2	Planting Area	0.4	acres
2-2	IWM	55	Trees
2-3	Cobble	36,500	Tons
2-3	Excavation and Off haul	135,000	cubic yards
2-3	Planting Area	12	acres

*Site 2-3 will have a cut-bank design

Data from Tables 4-3, 4-6, and 4-9 of *Attachment 6 to the Lower American River Subreach 2 Summary of Bank Protection Conceptual Design Process (10% Basis of Design Report)*, Draft Report, November 30, 2018.

Additional Information Repair Site 2-1, 2-2, 2-3 Quantities

Site	Material	Quantity	Unit
2-1	Clearing and Grubbing	2.4	Acres
2-2	Clearing and Grubbing	--	Acres
2-3	Clearing and Grubbing	14.3	Acres

Data from Tables 5-1, 5-2, and 5-3 of *Attachment 6 to the Lower American River Subreach 2 Summary of Bank Protection Conceptual Design Process (10% Basis of Design Report)*, Draft Report, November 30, 2018.

Total Material Volume Estimates for Subreach 2 (Contract 1)

Type	Material	Quantity	Units	Miles Traveled
Export	Clearing and Grubbing	16.7 (1,100)	Acres (cubic yards)	14
Import	Rip Rap	137,000 (83,000)	Tons (cubic yards)	50
Import	Topsoil Planting Bench	31,000 (23,000)	Tons (cubic yards)	5
Import	Cobble	36,500 (20,300)	Tons (cubic yards)	50
Export	Excavation and Off-haul	135,000	cubic yards	14
Import	IWM	255	Trees	

Note: Estimated haul distances per USACE staff (Anne Baker, email 2/22/2019). Assume: 1.65 ton/cubic yard for rip rap, 1.35 ton/cubic yard for topsoil, 1.8 ton/cubic yard for aggregate/cobble.

Estimated days to place rip rap at expected placement rate of 300 tons/hour. 137,000 tons/3,000 tons per 10-hour day = 46 days. Only one set of placement equipment required to complete placement for Contract 1 during the work window of August 1 – October 31. Expected acreage disturbed per day is ½ acre.

Total Estimates for Contract 2 (Subreach 1, 3, and 4, assumes no cut-bank construction)

Type	Material	Basis Quantity Subreach 2-1 (0.8 miles)	Estimated Subreach 1 and 4 (5 miles each)	Estimated Subreach 3 (2.2 miles)	Units	Miles Traveled
Export	Clearing and Grubbing	2.4	15 (1,000)	6.6 (440)	Acres (cubic yards)	14
Import	Rip Rap	126,500	790,625	347,875	Tons	50
Import	Topsoil Planting Bench	25,500	159,375	70,125	Tons	5
Import	IWM	200	1,250	550	Trees	

Note: Subreach 1: RM 0 to 5 = 5 miles; Subreach 2: RM 5 to RM 7.8 = 2.8 miles; Subreach 3 - RM 7.8 to RM 9 = 2.2 miles; Subreach 4: RM 9 to RM 14 = 5 miles

Contract 2 Summary of Material Quantities

Subreach	Acres Disturbed	Tons (CY) Rip Rap	Tons (CY) Topsoil
1	15	790,625 (479,200)	159,375 (118,100)
3	6.6	347,875 (210,800)	70,125 (51,950)
4	15	790,625 (479,200)	159,375 (118,100)
Total	**36.6**	**1,929,125 (1,169,200)**	**388,875 (288,150)**
Per Season	**18 (1,200 cubic yards)**	**964,563 (584,600)**	**194,438 (117,800)**

Assume: 1.65 ton/cubic yard for rip rap, 1.35 ton/cubic yard for topsoil. CY = cubic yard.

Subreaches 1, 3, and 4 are planned for completion in 2 seasons. Assume an even split between seasons – 1,929,125 tons rip rap/ 2 seasons = 964,562 tons/season. To estimate days to place rip rap: 964,562 tons/ 3,000 tons per 10-hour day = 322 days to place. Assume 22 days/month for 3 months = 66 days per season available. This would require **5 sets** of placement equipment for both years to complete placement during the work window of August 1 – October 31. Expected acreage disturbed per day is ½ acre per worksite = 2 ½ acres/day for Contract 2 (Subreaches 1, 3, and 4). The total estimated length of the Contract 2 Subreaches is 12.2 miles (64,400 feet), or 32,200 feet per season. Assuming a 100-foot wide construction corridor, this would be 74 acres. The area of clearing and grubbing (work area) is smaller and shown in the table ***Contract 2 Summary of Material Quantities*** above.

Construction equipment for American River Erosion Contract 1 was reviewed with the project team on 6/27/2019. It was agreed that the following equipment was a conservative (an extra set of basic equipment during grading/excavation) estimate of needed equipment:

American River Contract 1 Assumed Equipment

Equipment	Grubbing/Clearing Phase (Number)	Grading/Excavation Phase (number)
Cranes (basic)		2
Excavators (basic)	6	2
Generators	1	1
Graders		2
Off-Highway Trucks		2
Other Construction Equipment		1
Other General Industrial Equipment		2
Material Handling Equipment		1
Rubber Tired Dozers (basic)		2
Signal Boards	6	6
Skid Steer Loaders		3
Sweepers/Scrubbers (basic)	1	1
Tractors/Loaders/Backhoes		2
Trenchers		2

To estimate equipment needed for the American River Contract 2, grubbing and clearing was assumed to have the same equipment each year as Contract 1 based on the estimated acreage cleared (Contract 1: 16.7 acres, Contract 2: 36.6 acres in 2 years or 18.3 acres per year). For the Grading and Excavation Phase, basic equipment was assumed at 5 sets plus an extra set, other equipment was adjusted up slightly. Equipment assumed for each year of Contract 2 is shown below.

American River Contract 2 Assumed Equipment

Equipment	Grubbing/Clearing Phase (Number)	Grading/Excavation Phase (number)
Cranes (basic)		6
Excavators (basic)	6	6
Generators	1	3
Graders		4
Off-Highway Trucks		6
Other Construction Equipment		1
Other General Industrial Equipment		2
Material Handling Equipment		1
Rubber Tired Dozers (basic)		6
Rubber Tired Loaders		4
Signal Boards	6	6
Skid Steer Loaders		3
Sweepers/Scrubbers (basic)	1	1
Tractors/Loaders/Backhoes		3
Trenchers		2

The estimated quarterly distribution of emissions for the American River Contracts is shown below.

Year	Q1	Q2	Q3	Q4
All Years		On-Road	1/3	2/3

Sacramento River Erosion (55.2 L)

Project Definition: These contracts will provide erosion protection on the Sacramento River from the American River confluence downstream to Freeport (approximately 10 miles). On the Sacramento River, work will only occur on the left bank (looking downriver). Subreach 55.2L (Contract 1) will be used as the basis of estimates for the Sacramento River contracts.

The Sacramento River in-water work window is July 1 to October 31. Site preparation could occur prior to July 1. The tree trimming window is December to February. Rip rap (quarry stone and soil-filled quarry stone) will be delivered to Sacramento River sites by barge. The expected shipping approach will use 4-ganged barges from the Bay Area to Rio Vista, anchor at Rio Vista and use smaller tugboats to deliver single barges to construction sites for offloading. Information on the expected horsepower of tugboat engines was provided by staff at Dutra Materials in San Rafael, California. A push boat used to move materials from the quarry in San Rafael to Rio Vista on the Sacramento River typically has two engines at 800 horsepower each (1,600 horsepower total). Typical tugs for movement in the Sacramento River have a single engine at approximately 700 horsepower (Dennis Ferguson, personal communication).

For purposes of the air quality emissions analysis Subreach 55.2L is used as the basis of the material volume estimates for all Sacramento River reaches on a per foot basis. From the *Basis of Design Office Report Sacramento River Bank Protection Project*, DRAFT, Ayres Associates, June 2008, the original length of Subreach 55.2L was 690 feet. At 30 percent design, the length of Subreach 55.2L was increased to 1,150 feet (an increase by a factor of 1.68). The table below shows the original material quantities estimated for Subreach 55.2L, and the increased quantities expected for the increase in the length of the Subreach.

Estimate of Material Quantities for Sacramento River Erosion Contract 1

Phase	Estimated Quantity (original 690 ft basis)	Estimated Quantity (1,150 ft basis)	Unit
Clearing	0.81	1.4 (93)	Acres (cubic yards)
Embankment Material, 0.5' Soil Cover	660	1,100	cubic yards
Soil-Filled Quarry Stone	3,691 (6,274)	6,200 (10,500)	cubic yards (tons)
Quarry Stone	10,054 (22,581)	16,800 (37,700)	cubic yards (tons)
Erosion Control Seeding	0.71	1.2	Acres
In-Stream Wood Material	65	109	Each
Fascines	586	980	Each

Data from *Basis of Design Office Report Sacramento River Bank Protection Project*, Appendix G – Quantities, DRAFT, Ayres Associates, June 2008. Embankment soil cover from Figure 6.1 of the Design Office Report.

Estimated days to place rip rap at the expected placement rate of 300 tons/hour - 48,200 tons (10,500 + 37,700)/ 3,000 tons per 10-hour day = 16 days. Using 22 days/month of construction one set of

placement equipment would be required to complete placement during the work window of July 1 – October 31. Expected acreage disturbed per day is ½ acre for Contract 1.

Estimate of Material Quantities for Sacramento River Erosion Contracts 2 and 3

The overall estimated length of the Sacramento River Erosion Control Contracts is 29,600 feet. Contracts 2 and 3 are assumed to evenly divide the length remaining after Contract 1 is completed. Contract 2 and 3 are further estimated to required two years each of approximately equal material handling and length for construction duration. Material quantities for Contracts 2 and 3 are calculated on an annual basis by increasing the Subreach 55.2L volumes as follows – total length of 29,600 feet minus Contract 1 length of 1,150 feet = 28,450 feet remaining. This is allocated to Contract 2 and 3 at half of the total length or 14,225 feet for each Contract, and further allocated to each year at half of the individual contract length (7,113 feet). Material quantity estimates are based on the original Subreach 55.2L design at 690 feet, and material quantities are increased by a factor of 10.3 (7,113 feet/690 feet). The estimated material quantities for each year of Contract 2 and 3 are shown in the table below.

Estimated Material Quantities for Contracts 2 and 3 per Contract and Year

Phase	Estimated Quantity (690 ft basis)	Estimated Quantity per Contract per Year (7,113 ft basis)	Unit
Clearing	0.81	8.3 (550)	Acres (cubic yards)
Embankment Material, 0.5' Soil Cover	660	6,803	cubic yards
Soil-Filled Quarry Stone	3,691 (6,274)	38,047 (64,672)	cubic yards (tons)
Quarry Stone	10,054 (22,581)	103,636 (232,764)	cubic yards (tons)
Erosion Control Seeding	0.71	7.3	Acres
In-Stream Wood Material	65	670	Each
Fascines	586	6,040	Each

Estimated days to place rip rap at the expected placement rate of 300 tons/hour - 297,436 tons (64,672+232,764)/ 3,000 tons per 10-hour day = 99 days. Using 22 days/month of construction (88 days per season) two sets of placement equipment would, conservatively, be required to complete placement during the work window of July 1 – October 31. However, the project team anticipates that up to 4 work sites may be active simultaneously.

Expected acreage disturbed per day is ½ acre per worksite or 2 acres/day for Contracts 2 and 3 based on 4 active sites.

Construction equipment for the Sacramento River Erosion Contract 1 was estimated based on the American River Contract 1. The estimate of needed equipment is:

Sacramento River Contract 1 Assumed Equipment

Equipment	Grubbing/Clearing Phase (Number)	Grading/Excavation Phase (number)
Cranes (basic)		2
Excavators (basic)	6	2
Generators	1	1
Graders		2
Off-Highway Trucks		2
Other Construction Equipment		1
Other General Industrial Equipment		2
Material Handling Equipment		1
Rubber Tired Dozers (basic)		2
Signal Boards	6	6
Skid Steer Loaders		3
Sweepers/Scrubbers (basic)	1	1
Tractors/Loaders/Backhoes		2
Trenchers		2

Sacramento River Erosion Contract 2 is assumed to use the same clearing/grubbing equipment used for American River Contract 1. Equipment for grading and excavation is estimated to be the same as American River Contract 1, but with enough sets of basic equipment to operate 4 sites simultaneously. Expected equipment for Sacramento River Erosion Contracts 2 and 3 is shown below:

Sacramento River Contracts 2 and 3 Assumed Equipment

Equipment	Grubbing/Clearing Phase (Number)	Grading/Excavation Phase (number)
Cranes (basic)		4
Excavators (basic)	6	4
Generators	1	1
Graders		2
Off-Highway Trucks		4
Other Construction Equipment		1
Other Construction and Industrial Equipment		2
Material Handling Equipment		1
Rubber Tired Dozers (basic)		4
Signal Boards	6	6
Skid Steer Loaders		4
Sweepers/Scrubbers (basic)	1	1
Loaders/Backhoes		2
Trenchers		2

The estimated quarterly distribution of emissions for the Sacramento River Contracts is shown below.

Year	Q1	Q2	Q3	Q4
All Years			1/2	1/2

Barge Emissions Calculations
ARCF 2016
Sacramento River Erosion Protection - Contract 1

Basic Assumptions	
CY per Barge[1]	909
CY Imported[3]	23,000
Miles/ hr per barge	5
Extra Empty Trips	2
Total Hrs per Day	10
lbs/ tons	2000
lbs/MT	2204.62

	San Rafael to Rio Vista (in SFNA)	San Rafael to Rio Vista (in BAAQMD)	Rio Vista to Sacramento Erosion
No. of Barge in Tow	4	4	1
Miles (one-way)	10.4	45	40
Total Tow-Hours	**17**	**75**	**218**

	PM10	PM2.5	NOx	ROG	CO	SO2	CO2	CH4	N2O	CO2e (MT)
Two-Engine Push Boat Emissions (lb/hr)	1.45	1.29	35.04	2.09	8.97	0.01	1417.70	0.06	0.01	1422.56
Tug Boat Emissions (lb/hr)	0.37	0.33	8.53	0.54	1.90	0.00	456.06	0.02	0.00	457.63
Total Emissions for Push Boat - In SFNA (Tons)	0.01	0.01	0.30	0.02	0.08	0.00	12.27	0.00	0.00	11.17
Total Emission for Push Boat- In BAAQMD (Tons)[2]	0.05	0.05	1.31	0.08	0.34	0.00	53.11	0.00	0.00	48.35
Total Emissions for Tug Boat - In SFNA (Tons)	0.04	0.04	0.93	0.06	0.21	0.00	49.80	0.00	0.00	45.33
Sum of Emissions in SFNA (Tons)	**0.05**	**0.05**	**1.24**	**0.08**	**0.29**	**0.00**	**62.08**	**0.00**	**0.00**	**56.5**

Notes: [1] https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483 , one barge has the capacity of 1500 tons and assuming 1.65 tons/cy of quarry rock

[2] BAAQMD NOx Threshold is 54 lb/day (Not relevent to General Conformity)

[3] Assuming All Contracts are 1.4 miles long and that 5.32L Reach is only 690 feet long; 10.7 increase in volume

Barge Emissions Calculations
ARCF 2016
Sacramento River Erosion Protection - Contracts 2, 3

Basic Assumptions		
CY per Barge[1]	909	
CY Imported	141,683	per year
Miles/ hr per barge	5	
Extra Empty Trips	2	
Total Hrs per Day	10	
lbs/ tons	2000	
lbs/MT	2204.62	

	San Rafael to Rio Vista (in SFNA)	San Rafael to Rio Vista (in BAAQMD)	Rio Vista to Sacramento Erosion
No. of Barge in Tow	4	4	1
Miles (one-way)	10.4	45	40
Total Tow-Hours	**85**	**369**	**1263**

	PM10	PM2.5	NOx	ROG	CO	SO2	CO2	CH4	N2O	CO2e (MT)
Two-Engine Push Boat Emissions (lb/hr)	1.61	1.44	35.71	2.09	8.97	0.01	1417.70	0.06	0.01	1422.56
Tug Boat Emissions (lb/hr)	0.37	0.33	6.47	0.54	1.90	0.00	456.06	0.02	0.00	457.63
Total Emissions for Push Boat - In SFNA (Tons)	**0.07**	**0.06**	**1.52**	**0.09**	**0.38**	**0.00**	**60.40**	**0.00**	**0.00**	**54.98**
Total Emission for Push Boat- In BAAQMD (Tons)[2]	**0.30**	**0.26**	**6.58**	**0.39**	**1.65**	**0.00**	**261.33**	**0.01**	**0.00**	**237.89**
Total Emissions for Tug Boat - In SFNA (Tons)	**0.23**	**0.21**	**4.09**	**0.34**	**1.20**	**0.00**	**287.96**	**0.01**	**0.00**	**262.13**
Sum of Emissions in SFNA (Tons)	**0.30**	**0.27**	**5.61**	**0.43**	**1.58**	**0.00**	**348.36**	**0.01**	**0.00**	**317.1**

Notes: [1] https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483 , one barge has the capacity of 1500 tons and assuming 1.65 tons/cy of quarry rock

[2] BAAQMD NOx Threshold is 54 lb/day (Not relevent to General Conformity)

SMAQMD Harborcraft, Dredge and Barge Emission Factor Calculator - Main Engine Emission Rates

Calendar Year: 2023 **Number of Entries:** 2

Vessel/Engine Information								Emission Rates (lb/hr; estimates for each row are totals over the number of engines listed in column J for that row)									
Vessel Name	Vessel Number	Home Port	Vessel Type	Engine Model Year	Engine Rated Power (hp)	Engine Load Factor	Number of engines	PM_{10}	$PM_{2.5}$	NOx	ROG	CO	SO_2	CO_2	CH_4	N_2O	CO_2e
4- ganged barg			Tow Boats / Push Boats	1997	800	0.68	2	1.614	1.437	35.713	2.089	8.974	0.013	1417.698	0.058	0.012	1422.563
single barge			Tug Boats	2002	700	0.50	1	0.372	0.331	6.470	0.544	1.901	0.004	456.061	0.018	0.004	457.626

Attachment 2

Modeling Assumptions

Sacramento Weir

Supporting Calculations for Material Volumes, Equipment, and Quarterly Allocation of Emissions – Sacramento Weir

General Information

The Sacramento Weir contracts will construct a new levee section and demolish a temporary levee section near the Sacramento Weir, widen the weir, install a sheet pile cut-off wall with jet grouting, construct a fish passage channel, relocate a road on a constructed bridge section, construct a railroad bridge, place erosion protection and construct additional improvements in support of the primary construction activities. The table below shows the schedule used in the air quality analysis. The only variation anticipated to the schedule is the possibility of construction of the railroad (RR) bridge piles in 2021 instead of 2022. Case 1 is shown as X. Case 2 with the early RR bridge pile installation is shown as Case 2 with (X).

The expected construction schedule is April 15, 2021 to November 1, 2023 year around. Vegetation removal could occur in winter 2021.

Sacramento Weir Anticipated Schedule for Analysis

	2020	2021	2022	2023
Construct new levee and concrete liner, sheet pile cut-off wall foundation, site prep, temporary road, realigned road, construct island		X		
Construct River Road and RR Bridges, passive weir		(X)	X	
Degrade levees, construct fish passage channel, place erosion protection				X

General Construction Assumptions:

- Concrete, asphalt, aggregate, and pre-cast haul distances will be 30 miles
- Import soil haul distance will 30 miles
- Export soil will be disposed of on site with an assumed 0.6-mile haul distance
- Weir gates will be imported from out of state with an assumed haul distance of 200 miles within the Sacramento Federal Nonattainment Area (SFNA) air basin. Assume a total of 5 truckloads for delivery of the weir gates.
- Assume all haul trucks are 15 cubic yard end dumps.
- Assume River Road and Railroad Bridge decking is pre-cast members.
- Assume no degrading (excavation) for sheet piling.
- Assume weir, and north levee slope protection are poured in place concrete by pre-mix trucks (sourced at Rancho Cordova). Rebar will come on a flatbed truck. Assume 40,000 pounds (20 tons) rebar per load.
- Assume quarry stone will be delivered by barge. The expected shipping approach will use 4-ganged barges from the Bay Area to Rio Vista, anchor at Rio Vista and use smaller tugboats to deliver single barges to construction sites for offloading. Information on the expected horsepower of tugboat engines was provided by staff at Dutra Materials in San Rafael,

California. A push boat used to move materials from the quarry in San Rafael to Rio Vista on the Sacramento River typically has two engines at 800 horsepower each (1,600 horsepower total). Typical tugs for movement in the Sacramento River have a single engine at approximately 700 horsepower (Dennis Ferguson, personal communication).

At an air emissions review meeting on June 27, 2019, project material volumes were adjusted to the contemporaneous design as shown in the table below:

Sacramento Weir Materials Summary Table

Year	Action	Material	Volume	Units
2021	Import	Sheet Piles		
	Import	Soil	370,000	CY
	Import	Concrete	8,000	CY
	Import	Rip Rap (Quarry Rock)	25,000	CY
2022	Import	Asphalt	1,750	CY
	Import	Aggregate	15,000 1,500	CY CY
	Import	Concrete	13,700 7,600	CY CY
	Import	Rebar	686 556	Tons Tons
	Export Import Import	Soil	43,000 3,000 5,150	CY CY CY
	Import	Piles	216 200	Units Units
	Import	Pre-Cast Deck Panels Gates		
2023	Export	Soil	370,000 215,000 54,000	CY CY CY
	Import	Rip Rap (Quarry Rock)	75,000	CY
	Import	Aggregate	1,700 250	CY CY

At an air emissions review meeting on June 27, 2019, anticipated construction equipment was reviewed and adjusted as shown in the table below:

Sacramento Weir Assumed Construction Equipment

Equipment	Grubbing/ Clearing 2021 (Number)	Grading/ Excavation 2021 (number)	Grading/ Excavation 2022 (number)	Grading/ Excavation 2023 (number)
Bore/Drill Rigs		1		
Cement and Mortar Mixers		4	4	2
Cranes		4	4	2
Excavators	3	3	3	3
Generators	1	2	2	2
Graders			1	1
Off-Highway Trucks	5	5	5	5
Other Construction Equipment		1	1	1
Material Handling Equipment			1	1
Paving Equipment			1	1
Pumps		2	1	1
Rubber Tired Dozers			1	1
Scrapers			1	1
Surfacing Equipment			1	1
Sweepers/Scrubbers		1	1	1
Loaders/Backhoes		2	2	2
Trenchers		1	1	1

The estimated quarterly distribution of emissions for the Sacramento Weir construction is shown below.

Year	Q1	Q2	Q3	Q4
2021	13%	32%	42%	13%
2022	25%	25%	25%	25%
2023	13%	32%	42%	13%

Barge Emissions Calculations
ARCF 2016
Sacramento Weir - 2021

Basic Assumptions	
CY per Barge[1]	909
CY Imported	25,000
Miles/ hr per barge	5
Extra Empty Trips	2
Total Hrs per Day	10
lbs/ tons	2000
lbs/MT	2204.62

	San Rafael to Rio Vista (in SFNA)	San Rafael to Rio Vista (in BAAQMD)	Rio Vista to Sac Weir (in SFNA)
No. of Barge in Tow	4	4	1
Miles (one-way)	10.4	45	47
Total Tow-Hours	**18**	**80**	**277**

	PM10	PM2.5	NOx	ROG	CO	SO2	CO2	CH4	N2O	CO2e (MT)
Two-Engine Push Boat Emissions (lb/hr)	1.61	1.44	35.71	2.09	8.97	0.01	1417.70	0.06	0.01	1422.56
Tug Boat Emissions (lb/hr)	0.37	0.33	6.47	0.54	1.90	0.00	456.06	0.02	0.00	457.63
Total Emissions for Push Boat - In SFNA (Tons)	**0.01**	**0.01**	**0.33**	**0.02**	**0.08**	**0.00**	**13.09**	**0.00**	**0.00**	**11.91**
Total Emission for Push Boat- In BAAQMD (Tons)[2]	**0.06**	**0.06**	**1.43**	**0.08**	**0.36**	**0.00**	**56.62**	**0.00**	**0.00**	**51.54**
Total Emissions for Tug Boat - In SFNA (Tons)	**0.05**	**0.05**	**0.90**	**0.08**	**0.26**	**0.00**	**63.23**	**0.00**	**0.00**	**57.56**
Sum of Emissions in SFNA (Tons)	**0.07**	**0.06**	**1.23**	**0.09**	**0.35**	**0.00**	**76.32**	**0.00**	**0.00**	**69.5**

Notes: [1] https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483 , one barge has the capacity of 1500 tons and assuming 1.65 tons/cy of quarry rock

[2] BAAQMD NOx Threshold is 54 lb/day (Not relevent to General Conformity)

Barge Emissions Calculations
ARCF 2016
Sacramento Weir - 2023

Basic Assumptions	
CY per Barge[1]	909
CY Imported	75,000
Miles/ hr per barge	5
Extra Empty Trips	2
Total Hrs per Day	10
lbs/ tons	2000
lbs/MT	2204.62

	San Rafael to Rio Vista (in SFNA)	San Rafael to Rio Vista (in BAAQMD)	Rio Vista to Sac Weir (in SFNA)
No. of Barge in Tow	4	4	1
Miles (one-way)	10.4	45	47
Total Tow-Hours	**47**	**204**	**794**

	PM10	PM2.5	NOx	ROG	CO	SO2	CO2	CH4	N2O	CO2e (MT)
Two-Engine Push Boat Emissions (lb/hr)	1.61	1.44	35.71	2.09	8.97	0.01	1417.70	0.06	0.01	1422.56
Tug Boat Emissions (lb/hr)	0.37	0.33	6.47	0.54	1.90	0.00	456.06	0.02	0.00	457.63
Total Emissions for Push Boat - In SFNA (Tons)	**0.04**	**0.03**	**0.84**	**0.05**	**0.21**	**0.00**	**33.36**	**0.00**	**0.00**	**30.37**
Total Emission for Push Boat- In BAAQMD (Tons)[2]	**0.16**	**0.15**	**3.64**	**0.21**	**0.91**	**0.00**	**144.34**	**0.01**	**0.00**	**131.39**
Total Emissions for Tug Boat - In SFNA (Tons)	**0.15**	**0.13**	**2.57**	**0.22**	**0.76**	**0.00**	**181.12**	**0.01**	**0.00**	**164.88**
Sum of Emissions in SFNA (Tons)	**0.19**	**0.17**	**3.41**	**0.27**	**0.97**	**0.00**	**214.48**	**0.01**	**0.00**	**195.2**

Notes: [1] https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483 , one barge has the capacity of 1500 tons and assuming 1.65 tons/cy of quarry rock

[2] BAAQMD NOx Threshold is 54 lb/day (Not relevent to General Conformity)

SMAQMD Harborcraft, Dredge and Barge Emission Factor Calculator - Main Engine Emission Rates

Calendar Year: 2023 **Number of Entries:** 2

Vessel/Engine Information								Emission Rates (lb/hr; estimates for each row are totals over the number of engines listed in column J for that row)									
Vessel Name	Vessel Number	Home Port	Vessel Type	Engine Model Year	Engine Rated Power (hp)	Engine Load Factor	Number of engines	PM_{10}	$PM_{2.5}$	NOx	ROG	CO	SO_2	CO_2	CH_4	N_2O	CO_2e
4- ganged barg			Tow Boats / Push Boats	1997	800	0.68	2	1.614	1.437	35.713	2.089	8.974	0.013	1417.698	0.058	0.012	1422.563
single barge			Tug Boats	2002	700	0.50	1	0.372	0.331	6.470	0.544	1.901	0.004	456.061	0.018	0.004	457.626

Attachment 3

Modeling Assumptions

Seepage and Stability

Supporting Calculations for Material Volumes, Equipment, and Quarterly Allocation of Emissions – Seepage and Stability

General Information

The Seepage and Stability contracts will complete levee improvements primarily along the left bank (looking downstream) of the Sacramento River from the confluence with the American River through the pocket areas of Sacramento. Some improvements are also included along the North Area Streams, and on Magpie Creek. Improvement types will include cut-off walls (either soil bentonite or deep mix method [DMM]), seepage and stability berms, and relief wells. At the Magpie Creek Diversion Canal improvements will include raising the left bank levee, constructing a new levee and maintenance road along the west side of Raley Boulevard, adding a new maintenance road between Vinci Avenue and Dry Creek Road, adding erosion protection to the channel, and installing floodgates and culverts. Most of the Seepage and Stability contracts are relatively early in the design process and detailed information is not yet available.

To estimate air pollutant emissions, data from a 65% design cost estimate for the Sacramento River East Levees (SREL) prepared by GEI Consultants in 2015 and 2016 were used. Material volumes and construction equipment estimates from the 65% cost estimate were used as the basis to estimate material volumes and construction equipment for the proposed seepage and stability contracts levee improvements. The original design cost estimate, material volume estimates, and construction equipment estimates are included in this section. Calculations applying the previous estimates to the new contract configurations on a linear foot of levee basis are also included along with the anticipated allocation of reaches to contracts.

The expected construction schedule is April 15 to October 31. Mobilization is assumed to start as early as April 1. The currently anticipated construction schedule for the Seepage and Stability Contracts is shown in the table below:

Seepage and Stability – Anticipated Schedule for Analysis					
	2019	**2020**	**2021**	**2022**	**2023**
SREL					
Contract 1		X			
Contract 2			X		
Contract 3				X	
Contract 4 (Kleinfelder reaches)					X
Reach D	X				
Magpie Creek				X	

General Construction Assumptions:

- Assume all haul truck are 15 cubic yard end dumps.
- Assume an average of 100 feet of cut-off wall can be completed in one day.
- Additional assumptions are included in the attached calculation sheets.

The estimated quarterly distribution of emissions for the Seepage and Stability contracts is shown below. Quarterly allocations assume construction in April through October only. For berms and wells, the landside construction can slip to quarter 3 (Q3) and quarter 4 (Q4). For cutoff walls, the full construction season is needed and must be completed by October 31.

Berm and Wells Quarterly Distribution of Emissions

Year	Q2	Q3	Q4
2020	25%	37.5%	37.5%
2021	25%	37.5%	37.5%
2022	25%	37.5%	37.5%

Cutoff Wall Quarterly Distribution of Emissions

Year	Q2	Q3	Q4
2020	43%	43%	14%
2021	43%	43%	14%

Included in the following pages:

- 65% Design Cost Estimate
- Calculations supporting the air quality analysis for the 65% Design
- Calculations using the 65% Design as the basis to allocate materials and equipment to the currently anticipated design for Seepage and Stability (excluding Magpie Creek)
- Calculations using the estimated equipment from the 65% Design to estimate equipment for the currently anticipated design for Seepage and Stability

Bid Schedule A - SAFCA Sacramento River East Levee *Landside Berms and Drains and Waterside Blanket*
(STA 1080+00 to 1117+00, STA 1249+50 to 1253+00, STA 1533+00 to 1536+50)

All

Line Item No.	Item Description	Estimated Quantity	Unit	Unit Price ($)	Total Price ($)	Unit Price ($) - base	Total Price ($) - base	Notes
1	Mobilization and Demobilization	1	LS	$111,550.00	$111,600	$97,000.00	$97,000	5% of other costs
2	Traffic Control	1	LS	$111,550.00	$111,600	$97,000.00	$97,000	5% of other costs
3	Storm Water Pollution Control	1	LS	$111,550.00	$111,600	$97,000.00	$97,000	5% of other costs
4	Demolition (STA 1080+00 to 1117+00, STA 1249+50 to 1253+00, STA 1533+00 to 1536+50)	1	LS	$57,500.00	$57,500	$50,000.00	$50,000	Reach 2 pole and fence demo. Bumped up to $50k after comments from Dwanket
5	Remove Bike Path	100	SY	$17.25	$1,800	$15.00	$1,500	
6	Remove Aggregate Surfacing	340	SY	$9.20	$3,300	$8.00	$2,800	$7.90/SY from Southport
9	Remove Utility Crossings (STA 1080+00 to 1117+00, STA 1249+50 to 1253+00, STA 1533+00 to 1536+50)	1	LS	$247,250.00	$247,300	$215,000.00	$215,000	
10	Clearing and Grubbing **	4.5	AC	$6,900.00	$31,100	$6,000	$27,000	Includes tree removal
11	Topsoil Stripping **	3,700	CY	$5.75	$21,300	$5.00	$18,500	
12	Levee Excavation And Disposal (Offsite)	8,500	CY	$13.80	$117,300	$12.00	$102,000	Clean exc only. $6.75 haul, $5 excavate/load
13	Levee Excavation And Disposal (Landfill)	11,300	CY	$46.00	$519,800	$40.00	$452,000	Contaminated soils only. Equal to the total exc for Reaches 2, 5, and 6. $11.25 haul, $5 excavate/load, Cost increased to $40 to allow for disposal fee at landfill.
14	Drainage Layer	7,700	CY	$57.50	$442,800	$50.00	$385,000	
15	Levee Embankment Fill (Soil Type 1)	600	CY	$28.75	$17,300	$25.00	$15,000	$10 place/compact, $9.25 haul, $5 excavate/load
16	Levee Embankment Fill (Soil Type 2)	22,300	CY	$28.75	$641,200	$25.00	$557,500	$10 place/compact, $9.25 haul, $5 excavate/load
17	Class 2 Aggregate Base	120	TN	$46.00	$5,600	$40.00	$4,800	
18	Asphalt Concrete Paving	20	TN	$287.50	$5,800	$250.00	$5,000	
19	Remove and Replace Existing Sign	1	EA	$293.25	$400	$255.00	$300	Reach 2
20	Remove and Replace Catwalk	1	EA	$3,450.00	$3,500	$3,000.00	$3,000	Reach 4, for waterside fill
21	Remove and Replace Utility Pole	1	EA	$23,000.00	$23,000	$20,000.00	$20,000	Reach 11
22	Remove and Raise Storm Drain Manhole	1	EA	$14,375.00	$14,400	$12,500.00	$12,500	Reach 11
23	Install Chain Link Fence	1,370	LF	$34.50	$47,300	$30.00	$41,100	New fences in Reach 2 and Reach 5
24	Erosion Control Seeding	4.5	AC	$4,600.00	$20,700	$4,000.00	$18,000	
25	Allowance for Unlisted Items	1	LS	$384,100.00	$384,100	$334,000.00	$334,000	20% of other costs
	SUBTOTAL SCHEDULE A:				**$2,940,300**		**$2,556,000**	

* See notes following Bid Schedule Summary Table.

Bid Schedule B - SAFCA Sacramento River East Levee *SB Open Trench Cutoff Wall and SCB DMM Cutoff Wall*
(STA 1116+00 to 1125+50, STA 1199+00 to 1207+75, STA 1285+00 to 1310+00, STA 1336+00 to 1407+50, STA 1447+00 to 1505+00, STA 1547+50 to 1570+00, STA 1600+00 to 1640+00)

Line Item No.	Item Description	Estimated Quantity	Unit	Unit Price ($)	Total Price ($)	Unit Price ($)	Total Price ($)	Notes
1	Mobilization and Demobilization	1	LS	$2,665,700.00	$2,665,700	$2,318,000.00	$2,318,000	10% of other costs
2	Traffic Control	1	LS	$1,332,850.00	$1,332,900	$1,159,000.00	$1,159,000	5% of other costs
3	Storm Water Pollution Control	1	LS	$1,332,850.00	$1,332,900	$1,159,000.00	$1,159,000	5% of other costs
4	Demolition (STA 1116+00 to 1125+50, STA 1199+00 to 1207+75, STA 1285+00 to 1310+00, STA 1336+00 to 1407+50, STA 1447+00 to 1505+00, STA 1547+50 to 1570+00, STA 1600+00 to 1640+00)	1	LS	$115,000.00	$115,000	$100,000.00	$100,000	Bumped up to 100k after comments from Dan Wanket
5	Remove Bike Path	13,870	SY	$17.25	$239,400	$15.00	$208,100	
6	Remove Aggregate Surfacing	38,260	SY	$9.20	$352,100	$8.00	$306,100	$7.90/SY from Southport
7	Remove Utility Crossings (STA 1116+00 to 1125+50, STA 1199+00 to 1207+75, STA 1285+00 to 1310+00, STA 1336+00 to 1407+50, STA 1447+00 to 1505+00, STA 1547+50 to 1570+00, STA 1600+00 to 1640+00)	1	LS	$189,750.00	$189,800	$165,000.00	$165,000	
8	Abandon Piezometers	6	EA	$5,750.00	$34,500	$5,000.00	$30,000	1354+70, 1462+00, 1551+20
9	Provide Pump Station 3 Bypass	1	LS	$57,500.00	$57,500	$50,000.00	$50,000	Sewer line at Miller Park
10	Clearing and Grubbing **	18.1	AC	$6,900.00	$124,900	$6,000	$108,600	Includes tree removal
11	Topsoil Stripping **	14,700	CY	$5.75	$84,600	$5.00	$73,500	
12	Levee Excavation (Levee Degrade and Cutoff Trench)	196,000	CY	$16.10	$3,155,600	$14.00	$2,744,000	$8.75 haul, $5 excavate/load
13	Cutoff Wall, Open Trench Soil-Bentonite (SB) [S]	1,232,000	SF	$8.05	$9,917,600	$7.00	$8,624,000	
14	Cutoff Wall, Mix-In-Place Soil-Cement-Bentonite (SCB) [S]	114,000	SF	$26.45	$3,015,300	$23.00	$2,622,000	
15	Levee Embankment Fill (Soil Type 1)	215,000	CY	$34.50	$7,417,500	$30.00	$6,450,000	$10 place/compact, $14.10 haul, $5 excavate/load
16	Class 2 Aggregate Base	14,080	TN	$46.00	$647,700	$40.00	$563,200	
17	Asphalt Concrete Paving	2,350	TN	$287.50	$675,700	$250.00	$587,500	
18	Replace - 24 Inch Pipe - Sump 63	1	LS	$218,500.00	$218,500	$190,000.00	$190,000	
19	Replace - 2 Inch Electrical Conduit - STA 1460+24	1	LS	$5,750.00	$5,800	$5,000.00	$5,000	
20	Replace - 2 Inch Water Pipe, 1.5 Inch Sewer Pipe, 1 Inch Electrical Conduit - STA 1460+80 To STA 1460+85	1	LS	$40,250.00	$40,300	$35,000.00	$35,000	
21	Remove and Replace Utility Pole	8	EA	$23,000.00	$184,000	$20,000.00	$160,000	Miller Park, G-139, 1550+50, 1612+20
22	Remove and Replace Existing Storm Drain	1	EA	$5,750.00	$5,800	$5,000.00	$5,000	STA 1120+00
23	Remove and Replace Recycling Box	1	EA	$1,150.00	$1,200	$1,000.00	$1,000	STA 1123+20
24	Remove and Replace Public Gate	7	EA	$4,600.00	$32,200	$4,000.00	$28,000	STA 1347+00, 1360+64, 1389+00, 1463+62, 1549+64, 1554+70, 1633+65
25	Remove and Replace Private Gate	2	EA	$4,600.00	$9,200	$4,000.00	$8,000	1380+36, 1503+40
26	Remove and Replace Chain Link Fence	430	LF	$46.00	$19,800	$40.00	$17,200	STA 1347+00, 1360+64, 1380+36, 1389+00, 1463+62, 1503+40
27	Remove and Replace Sign	4	EA	$293.25	$1,300	$255.00	$1,100	1447+92, 1551+30, 1615+26, 1632+90. Cost from Southport

28	Remove and Replace Chain Post Fence	760	LF	$34.50	$26,300	$30.00	$22,800	G-148, 149
29	Remove and Replace Concrete Walkway	1	LS	$2,300.00	$2,300	$2,000.00	$2,000	1553+30
30	Erosion Control Seeding	18.1	AC	$4,600.00	$83,300	$4,000.00	$72,400	
31	Allowance for Unlisted Items	1	LS	$4,798,950.00	$4,799,000	$4,173,000.00	$4,173,000	20% of other costs
	SUBTOTAL SCHEDULE B:				**$36,787,700**		**$31,988,500**	

* See notes following Bid Schedule Summary Table.

Bid Schedule C - SAFCA Sacramento River East Levee *Relief Wells*
(STA 1095+50 to 1096+50, STA 1249+00 to 1256+00, STA 1424+00 to 1447+00, STA 1517+00 to 1548+00)

Line Item No.	Item Description	Estimated Quantity	Unit	Unit Price ($)	Total Price ($)	Unit Price ($)	Total Price ($)	Notes
1	Mobilization and Demobilization	1	LS	$309,350.00	$309,400	$269,000.00	$269,000	
2	Traffic Control	1	LS	$309,350.00	$309,400	$269,000.00	$269,000	
3	Storm Water Pollution Control	1	LS	$309,350.00	$309,400	$269,000.00	$269,000	
4	Demolition (STA 1095+50 to 1096+50, STA 1249+00 to 1256+00, STA 1424+00 to 1447+00, STA 1517+00 to 1548+00)	1	LS	$57,500.00	$57,500	$50,000.00	$50,000	Placeholder cost
5	Remove Roadway	2,690	SY	$9.20	$24,900	$8.00	$21,600	$7.90/SY from Southport
6	Clearing and Grubbing **	0.2	AC	$6,900.00	$1,400	$6,000	$1,200	Unpaved areas only
7	Topsoil Stripping **	200	CY	$5.75	$1,200	$5.00	$1,000	Unpaved areas only
8	Relief Well (Less Than 90 Foot Depth)	30	EA	$63,250.00	$1,897,500	$55,000.00	$1,650,000	Reach 4: 2, Reach 11: 6, Reach 20: 13, Reach 24: 9
9	Relief Well (90 Foot Or Greater Depth)	16	EA	$86,250.00	$1,380,000	$75,000.00	$1,200,000	Reach 4: 2, Reach 22: 13, Reach 24: 1
10	8-inch Double Wall HDPE Pipe	520	LF	$230.00	$119,600	$200.00	$104,000	All RW Reaches
11	10-inch Double Wall HDPE Pipe	60	LF	$258.75	$15,600	$225.00	$13,500	Reach 11
12	12-inch Double Wall HDPE Pipe	1,510	LF	$287.50	$434,200	$250.00	$377,500	Reach 4, 11, 20, 24
13	15-inch Double Wall HDPE Pipe	500	LF	$333.50	$166,800	$290.00	$145,000	Reach 4, 11
14	18-inch Double Wall HDPE Pipe	3,390	LF	$373.75	$1,267,100	$325.00	$1,101,800	Reach 11, 20, 22, 24
15	24-inch Double Wall HDPE Pipe	1,250	LF	$431.25	$539,200	$375.00	$468,800	Reach 22
16	12-inch Discharge Outlet To Sump	1	EA	$17,250.00	$17,300	$15,000.00	$15,000	Reach 20
17	18-inch Discharge Outlet To Sump	3	EA	$23,000.00	$69,000	$20,000.00	$60,000	Reach 11, 20, 24
18	24-inch Discharge Outlet To Sump	1	EA	$23,000.00	$23,000	$20,000.00	$20,000	Reach 22
19	Class 2 Aggregate Base	730	TN	$46.00	$33,600	$40.00	$29,200	
20	Asphalt Concrete Paving	460	TN	$287.50	$132,300	$250.00	$115,000	
21	Erosion Control Seeding	0.2	AC	$4,600.00	$1,000	$4,000.00	$800	Unpaved areas only
22	Allowance for Unlisted Items	1	LS	$1,067,200.00	$1,067,200	$928,000.00	$928,000	20% of other costs
	SUBTOTAL SCHEDULE C:				**$8,176,600**		**$7,109,400**	

* See notes following Bid Schedule Summary Table.

Bid Schedule D - SAFCA Sacramento River East Levee *Landside Slope Flattening and Demolition*
(STA 1321+50 to 1323+00)

Line Item No.	Item Description	Estimated Quantity	Unit	Unit Price ($)	Total Price ($)	Unit Price ($)	Total Price ($)	Notes
1	Mobilization and Demobilization	1	LS	$6,900.00	$6,900	$6,000.00	$6,000	5% of other costs
2	Traffic Control	1	LS	$6,900.00	$6,900	$6,000.00	$6,000	5% of other costs
3	Storm Water Pollution Control	1	LS	$6,900.00	$6,900	$6,000.00	$6,000	5% of other costs
4	Demolition (STA 1321+50 to 1323+00)	1	LS	$115,000.00	$115,000	$100,000.00	$100,000	
5	Clearing and Grubbing **	0.3	AC	$6,900.00	$2,100	$6,000	$1,800	Unpaved areas only
6	Topsoil Stripping **	300	CY	$5.75	$1,800	$5.00	$1,500	Unpaved areas only
7	Levee Embankment Fill (Soil Type 2)	500	CY	$34.50	$17,300	$30.00	$15,000	C-125
8	Erosion Control Seeding	0.3	AC	$4,600.00	$1,400	$4,000.00	$1,200	Unpaved areas only
9	Allowance for Unlisted Items	1	LS	$23,805.00	$23,900	$20,700.00	$20,700	
	SUBTOTAL SCHEDULE D:				**$182,200**		**$158,200**	

* See notes following Bid Schedule Summary Table.

Bid Schedule E - SAFCA Sacramento River East Levee *Piezometers*
(STA 1080+00 to 1645+00)

Line Item No.	Item Description	Estimated Quantity	Unit	Unit Price ($)	Total Price ($)	Unit Price ($)	Total Price ($)	Notes
1	Mobilization and Demobilization	1	LS	$15,870.00	$15,900	$13,800.00	$13,800	
2	Traffic Control	1	LS	$15,870.00	$15,900	$13,800.00	$13,800	
3	Storm Water Pollution Control	1	LS	$15,870.00	$15,900	$13,800.00	$13,800	
4	Abandon Piezometers	8	EA	$5,750.00	$46,000	$5,000.00	$40,000	14 total, 6 are within levee degrade limits, included in bid schedule B.
5	Piezometer (Open Standpipe)	16	EA	$5,980.00	$95,700	$5,200.00	$83,200	
6	Piezometer (Vibrating Wire)	23	EA	$7,130.00	$164,000	$6,200.00	$142,600	Vertical linear feet of piezometer installed.
7	Data Logger (Open Standpipe - Optional)	1	EA	$1,725.00	$1,800	$1,500.00	$1,500	
8	Data Logger (Vibrating Wire - Optional)	23	EA	$1,150.00	$26,500	$1,000.00	$23,000	
9	Handheld Readout Device (Vibrating Wire - Optional)	16	EA	$1,725.00	$27,600	$1,500.00	$24,000	
10	Allowance for Unlisted Items	1	LS	$61,410.00	$61,500	$53,400.00	$53,400	
	SUBTOTAL SCHEDULE E:				**$470,800**		**$409,100**	

* See notes following Bid Schedule Summary Table.

Bid Schedule F - SAFCA Sacramento River East Levee *Erosion Repair*
(STA 1080+00 to 1645+00)

Line Item No.	Item Description	Estimated Quantity	Unit	Unit Price ($)	Total Price ($)	Unit Price ($)	Total Price ($)	Notes
1	Mobilization and Demobilization	1	LS	$668,265.00	$668,300	$581,100.00	$581,100	
2	Traffic Control	1	LS	$668,265.00	$668,300	$581,100.00	$581,100	
3	Storm Water Pollution Control	1	LS	$668,265.00	$668,300	$581,100.00	$581,100	
4	Clearing and Grubbing **	1.8	AC	$6,900.00	$12,200	$6,000	$10,600	assumed same as erosion seeding, not included in CBEC estimate
5	Topsoil Stripping **	900	CY	$5.75	$5,200	$5.00	$4,500	assumed same as erosion seeding, not included in CBEC estimate
6	Quarry Rock	103,686	TN	$86.25	$8,943,000	$75.00	$7,776,500	1.65tn/cy.
7	Graded Stone C	14,416	TN	$86.25	$1,243,500	$75.00	$1,081,300	1.65tn/cy.
8	Filter Rock	6,100	CY	$57.50	$350,800	$50.00	$305,000	3600lbs/cy. Used agg base unit cost and density
9	Sand	2,030	CY	$57.50	$116,800	$50.00	$101,500	
10	Soil	6,750	CY	$28.75	$194,200	$25.00	$168,800	
11	Gravel Filter	2,736	TN	$57.50	$157,400	$50.00	$136,800	3600lbs/cy. Used agg base unit cost and density
12	Coir Fabric	4,260	SY	$6.20	$26,500	$5.39	$23,000	
13	Beaver Barrier	3,530	CY	$13.80	$48,800	$12.00	$42,400	
14	Tules (Ballast Bucket)	1,716	EA	$17.25	$29,700	$15.00	$25,800	
15	Live Siltation Willows	3,585	LF	$34.50	$123,800	$30.00	$107,600	
16	Willow Pole Cuttings	16,395	EA	$11.50	$188,600	$10.00	$164,000	
17	Container Plantings	8,501	EA	$28.75	$244,500	$25.00	$212,600	
18	Erosion Control Seeding	2	AC	$5,750.00	$10,200	$5,000.00	$8,800	
19	Instream Woody Material	388	EA	$4,301.00	$1,668,900	$3,740.00	$1,451,200	
20	Allowance for Unlisted Items	1	LS	$2,305,290.00	$2,305,300	$2,004,600.00	$2,004,600	
	SUBTOTAL SCHEDULE F:				**$17,674,300**		**$15,368,300**	

* See notes following Bid Schedule Summary Table.

BID SCHEDULE SUMMARY:

SUBTOTAL SCHEDULE A:	**$2,940,300**	**$2,556,000**
SUBTOTAL SCHEDULE B:	**$36,787,700**	**$31,988,500**
SUBTOTAL SCHEDULE C:	**$8,176,600**	**$7,109,400**
SUBTOTAL SCHEDULE D:	**$182,200**	**$158,200**
SUBTOTAL SCHEDULE E:	**$470,800**	**$409,100**
SUBTOTAL SCHEDULE F:	**$17,674,300**	**$15,368,300**
TOTAL (SCHEDULES A+B+C+D+E+F):	**$66,231,900**	**$57,589,500**

CONSTRUCTION SUMMARY AND COST RECONCILIATION:

Work Item	65% Design Estimate	February 2016 Estimate	65% Design - base
Levee Remediation (Schedules A thru E)	$48,557,600	$49,532,000	$42,221,200
Erosion Repair (Schedule F)	$17,674,300	$11,554,000	$15,368,300
Allowance for Penetrations Requiring Remediation Outside Levee Remediation Reaches (not included above)	$2,200,000	$2,200,000	$2,200,000
Total Estimated Cost	**$68,431,900**	**$63,286,000**	**$59,789,500**

Notes:

1 Cost Estimate is based on July 2016 65% design drawings
2 All quantities are in-place quantities.
3 This estimate does not include potential costs to address encroachments, or vegetation removal outside that required for levee remediation
4 Construction contingency is assumed to be included separately in the overall program contingency and is not included here

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ARCF 2016
General Conformity Analysis

Material Volume Data from 2016 Sacramento River East Levee Project Allocated to WRDA (ARCF) 2016 Seepage and Stability Contracts Configuration

Phases	Type 1 and Type 2 Fill from Borrow Site (cy)	To/From Stockpile (cy)	From Offsite Quarry (Agg/Asph, cy)	To Offsite Disposal (cy)	Misc Materials (cy)	Duration (months)*	Duration (Months) only for Cutoff Wall Construction	Acres*	Key Assumptions
Data Reference - from 2016 work for NEPA analysis, Opinion of Probable Construction Cost - 65% Design Bid Schedule and Line	A15, 16, D7 B15	A 11, 12, D6 B 11, 12 C 7 F 5, 8, 9, 11	A 14, 17, 18 B 16, 17 C 19, 20 F 6, 7	A5, 6, 13 X B 5, 6 X C5	Input from engineers				
Mobilization					1,500	1	4		25% demobilization/remobilization between seasons
Vegetation/Encroachment Removal					1,500	4	4		vegetation/debris disposal to offsite
Berms, Toe Drains, Slope Flattening	23,400	12,500	7,780	11,400		4	0	4.8	
Utility Relocation						2.3	0		debris removal
Levee Degrade for Cut-Off Wall		210,700		8,710		3	3	18.1	
Utility Relocation						1.7	1.7		debris removal
Cut-Off Wall Construction					7,250	5	5		6000 cy bentonite (2% dry weight in mix and slurry), 1260 cy cement (10% mix)
Levee Reconstruction	215,000		9,130			4	4		agg/asph assumed the same as 2014 analysis in lieu of Bid B17
Relief Wells		200	670	450	750	6	0	0.2	materials deliveries, pipe, etc
Site Restoration					750	3	3		
Demobilization						2	2		

Do not have original documentation of assumptions.

Txt Blue - GEI AQ Assumptions

*Duration comes from the original SREL work - SRELConstruction Assumptions2016.xls

*Acres from the Bid Schedule referenced.

Original Quantity Assumptions for SREL in 2016 from D Sutton/GEI (Sacramento River East Levee Project Admin Draft EA, Table 2-2):

Cut-Off Walls:	23,535	linear feet
Berms:	2,288	linear feet
Relief Wells:	42	wells

Assumptions:

Debris assumptions for asphalt removal volumes - assume 6-in depth	0.167	yd
X - Allocate previous utility relocation by ratio of total cost Schedule A ($247250 - 57%) to Schedule B ($189750 - 43%)		
From Bid Schedule, assume for quarry rock =	1.65	ton/cy
From Bid Schedule, assume for filter rock and aggregate =	1.8	tons/cy (3600 lbs/cy)
Asphalt concrete delivered in 20 ton loads =	1.96	tons/cy

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General Conformity Analysis

Sacramento River Seepage and Stability Contracts - construction assumptions and quantities

Year	Contract[1]	Reach[1]	Acres Disturbed	Cut-Off Wall, Bentonite, Trench (Linear FT)[1]	Cut-Off Wall, DMM (Linear FT)[1]	Berm (feet)[1]	Other Construction[1]	Linear FT CO Wall Total	% Total Linear Feet of CO Wall	% Total Linear Feet of DMM	Total % of Cutoff Wall	Anticipated COW Schedule from Client (months)	Calculated COW Schedule based on 100 linear feet/day (Months)	Notes
2020	1	4-1	1.5				4 relief wells, water side levee reconstruction (blanket)	14,000			**34%**	7	6.4	Reach Length is 225 ft
	1	4-2	3.5			525	berm							
	1	6-2	2.0	380					1%					Reach Length 380 ft (corrected
	1	7-1	2.5	570					1%					
	1	7-2	3			448	seepage berm							
	1	9	5	700					2%					
	1	12	6.5		860					2%				
	1	13a	7		930					2%				
	1	24	6.1		1,560					4%				
	1	25	1.7	450					1%					
	1	26	6.0	1,550					4%					
	1	L2	11.6	3,000					7%					
	1	27	15.5	4,000					10%					
2021	2	5	2			600	partial berm and	11,670			**29%**	7	5.3	
	2	6-1	1			700	berm and jet grout							
	2	8	10	1,400					3%					
	2	13b	7.5	920					2%					
	2	14	19	2,600					6%					
	2	15	16.7	3,700					9%					
	2	16	8.3	1,850					5%					
	2	21-2	7.5	1,200					3%					
2022	3	11-2	1	570			relief wells, joint fix, or cut off wall	12,215	1%		**30%**	7	5.6	
	3	11-3	0	665					2%					
	3	17	4	1,600					4%					
	3	20	10.5	5,200			possible relief wells		13%					
	3	21-1	8	2,850					7%					
	3	22	4.5	1,330					3%					
2023	4		19	2,700				2,700	7%		**6.7%**	7	1.2	Contract 4 is new reaches (Kleinfelder and North Area Streams)
	4		9			1,300	levee raise							
		Total:	**200**	**37,235**	**3,350**	**3,573**		**40,585**	**92%**	**8%**	**100%**	**28**	**18**	
Total Linear Feet Cut-Off Walls (BT +DDM) and Berms =					**44,158**									

1) Allocation of reaches to Contracts and Reach length information from USACE (from Hans during meeting with Anne Baker/USACE 4/11/2019), and team meeting 6/27/2019 for Kleinfelder and NAS
2) Acres disturbed estimated either - by GEI engineering staff, or - by allocating total acres provided by Anne Baker/USACE by reach length, or - by using a calculate acres/linear foot based on Reach 9 (5 acres/700 linear feet = 0.0071 acre/LF)

Txt Red - GEI Engineer Assumptions
Txt Green - Calc From Anne's Doc
Txt Blue - Calc based on acre/LF

3) Treat all cut off walls as soil bentonite for worst case assumption, allocate total previous volumes from SREL based on percentage of linear feet.
4) New Berm Split - to allocate 2016 SREL estimates, need to include Reach 2 (2019 construction season)

Reach	Berm Length (ft)	% of Total	
2	450	11%	
4-2	525	13%	**Contract 1**
7-2	448	11%	**24%**
5	600	15%	**Contract 2**
6-1	700	17%	**32%**
Cnt 4	1300	32%	**Contract 4**
	4023		**32%**

5) Acres disturbed per year and months for COW construction based on rule of thumb for production rate (100 LF/day)

Year	Acres Disturbed	% Total Acres Disturbed per Year	Acres Disturbed for Berms and Wells	Linear Feet for Berms/Wells	Linear Miles for Berms/ Wells	Acres Disturbed for COW	Linear Feet for COW	Linear Miles for COW	Days to Construct COW at 100 LF per Day	Months to Construct COW (@ 22 Days /Mo)
2020	72	36%	8	973	0.18	64	14,000	2.65	140	6.4
2021	72	36%	8	1,300	0.25	69	11,670	2.21	117	5.3
2022	28	14%	0	-	-	28	12,215	2.31	122	5.6
2023	29	14%	9	1,300	0.25	19	2,700	0.51	27	1.2

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General Conformity Analysis

Data from Previous SREL Analysis Allocated to Sacramento S_S Contracts by Year
Data Source - Opinion of Probable Construction Cost - 65% Design

	Import			Import			Import			Export			Import		
Phases	**Type 1 and Type 2 Fill from Borrow Site (cy) (from SAC S_S Adjusted)**	**Trip Distance (miles)**	**Round Trips (miles)**	**To/From Stockpile (cy) (from SAC S_S Adjusted)**	**Trip Distance (miles)**	**Round Trips (miles)**	**From Offsite Quarry (Agg/Asph, cy) (from SAC S_S Adjusted)**	**Trip Distance (miles)**	**Round Trips (miles)**	**To Offsite Disposal (cy) (from SAC S_S Adjusted)**	**Trip Distance (miles)**	**Round Trips (miles)**	**Misc Materials (cy) (from SAC S_S Adjusted)**	**Trip Distance (miles)**	**Round Trips (miles)**
Data Reference - from 2016 work for NEPA analysis, Opinion of Probable Construction Cost - 65% Design Bid Schedule and Line	A15, 16, D7 B15			A 11, 12, D6 B 11, 12 C 7 F 5, 8, 9, 11			A 14, 17, 18 B 16, 17 C 19, 20 F 6, 7			A5, 6, 13 X B 5, 6 X C5			B13, 15		
Mobilization													2,565	15	30
Vegetation/Encroachment Removal										2,565	13	26			
Berms, Toe Drains, Slope Flattening	40,015	13	26	21,375	30	60	13,304	13	26	19,494	30	60			
Utility										51	13	26			
Cut-Off Walls	367,656	13	26	360,302	30	60	15,613	13	26	14,929	30	60	12,398	4.5	9
Relief Wells				342	30	60	1,146	13	26	770	13	26	1,283	6.5	13
2020 Contract 1				33	30	60	109	13	26	73	13	26	122	6.5	13
Site Restoration													1,283	15	30
Demobilization													2,565	15	30

Notes: Berm and toes drain total not equal to 100% because Reach 2 not part of current contract.
Relief well total equal to 2020 Contract 1 only for reduction of number of wells relative to 2016 data.

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General Conformity Analysis

Data from Previous SREL Analysis Allocated to Sacramento S_S Contracts by Year
Data Source - Opinion of Probable Construction Cost - 65% Design

Assumptions:

Assumed truck volume =	15	cubic yards
Assume all fill (Type 1 and Type 2) from WWTP Borrow Site at	13	miles
Assume all stockpile is at undecided location at	30	miles
Assume haul to landfill at	13	miles

Current plan is to take import fill from WWTP (8521 Laguna Station Road, Elk Grove) - this is approximately 13 miles from top of Pocket using Pocket Road.
Export material current plan is to go to Railyards Development in Downtown Sacramento (5-6 miles), however may not be able to dispose here due to poor alignment in construction schedule, so use 30 miles for soil export material.

Assume berms split as follows:

24%	2020	
32%	2021	
32%	2023	

Allocated Cut Off Walls as follows:

Contract 1	2020	34.5%
Contract 2	2021	28.8%
Contract 3	2022	30.1%
Contract 4	2023	6.7%

Assume mobilization split:

2020	30%
2021	20%
2022	20%
2023	30%

times the material volumes estimated in 2016 based on the increase in linear feet of cut-off walls and berms

SREL Material Volume Increase: 1.71 from 25,873 linear feet in 2016 to current length

Relief Well **: 10% **Table 2-2: 42 relief wells total from 2016 (current 4 wells)

Assumed barge volume from Offsite Quarry (Barge)= 909 cubic yards*

* One barge has the capacity of 1,500 tons. Jun 4, 2009. From Bid Schedule, assume 1.65 tons/cy of quarry rock. At density, one barge has the capacity of 909 cubic yards.
https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483

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Conceptual Construction Equipment Estimate

Estimate of Construction Equipment Based on Sacramento River East Levee 2016 Air Quality Analysis Data
Pages 1 and 2 contain original equipment estimates. Allocation to WRDA S/S Tasks is Shown on Page 3.
Allocation to RCEM Equipment categories is shown on page 4.

This list shows the types of equipment the contractor would select from and is not intended to be prescriptive of what they shall use.

Project Phase		Mobilization		Vegetation and Encroachment Removal		Levee Degradation for Cutoff Wall Installation		Cutoff Wall Installation		Construction of Stability Berms and Toes Drains	
Equipment Description	**CalEEMod/EMFAC Category**	**Maximum Quantity of Vehicles**	**Duration per vehicle (mths)**	**Maximum Quantity of Vehicles**	**Duration per vehicle (mths)**	**Maximum Quantity of Vehicles**	**Duration per vehicle (mths)**	**Maximum Quantity of Vehicles**	**Duration per vehicle (mths)**	**Maximum Quantity of Vehicles**	**Duration per vehicle (mths)**
Equipment/supply Transport Trucks	HDT	5	0.25							1	4
Hydraulic Excavator	Excavator			1	4	2	3			1	4
Long-Stick Excavator	Excavator							3	5		
Front-end Loader	T/L/B			1	4	1	3	3	5	1	4
Bulldozer	Rubber Tired Dozer					3	3	5	5	2	4
Highway Dump Truck	HDT			5	4	20	3			10	2
Grader	Grader					1	3			2	2
Water Truck	HDT					1	3			1	4
Self-propelled Sheepsfoot or Tramping Roller	Roller									2	2
Vibratory Smooth-Wheel Compactor	Roller									1	2
Forklift	Forklift							5	5		
DMM Rig	Drill Rig							2	2.5		
Bulk Material and Hydration Silos	none							8	5		
Truck-Mounted Crane	Crane							2	2		
Concrete Transit Truck	HDT										
Lubricating Truck	T7 Utility										
Pickup Trick	LDT1-2										
Drill Rig (truck-mounted)	Drill Rig										
Hydro-seed Truck	T6 Instate Heavy										

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Project Phase		Utility Relocation		Levee Reconstruction after Completion of Cutoff Wall		Relief Well Installation		Site Restoration and Demobilization	
Equipment Description	CalEEMod/EMFAC Category	Maximum Quantity of Vehicles	Duration per vehicle (mths)	Maximum Quantity of Vehicles	Duration per vehicle (mths)	Maximum Quantity of Vehicles	Duration per vehicle (mths)	Maximum Quantity of Vehicles	Duration per vehicle (mths)
Equipment/supply Transport Trucks	HDT	1	2			1	6	1	2
Hydraulic Excavator	Excavator	1	2	2	4	1	6	1	2
Long-Stick Excavator	Excavator								
Front-end Loader	T/L/B	1	2	1	4			1	3
Bulldozer	Rubber Tired Dozer			4	4				
Highway Dump Truck	HDT	1	2	20	4				
Grader	Grader			2	4			1	3
Water Truck	HDT			2	4			1	3
Self-propelled Sheepsfoot or Tramping Roller	Roller			2	4				
Vibratory Smooth-Wheel Compactor	Roller			1	4				
Forklift	Forklift					1	6	1	3
DMM Rig	Drill Rig								
Bulk Material and Hydration Silos	none								
Truck-Mounted Crane	Crane	1	2						
Concrete Transit Truck	HDT	1	2			1	1		
Lubricating Truck	T7 Utility			1	16				
Pickup Trick	LDT1-2								
Drill Rig (truck-mounted)	Drill Rig					2	6		
Hydro-seed Truck	T6 Instate Heavy							1	3

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Project Phase						
Equipment Description	**CalEEMod/EMFAC Category**	**Conservative Estimate Maximum Quantity of Vehicles for WRDA 2016 Seepage and Stability Contracts CalEEMod/EMFAC Categories**				
		Vegetation Encroachment Removal; Utility Reloation	**Berms, Toe Drains, Slope Flattening; Relief Wells**	**Mobilization; Cutoff Wall; Site Restoration and Demobilization**	**Vegetation Encroachment Removal**	**Berms, Toe Drains, Slope Flattening**
Equipment/supply Transport Trucks	HDT	1	1	5	0	1
Hydraulic Excavator	Excavator	1	1	2	1	1
Long-Stick Excavator	Excavator	0	0	3	0	0
Front-end Loader	T/L/B	1	1	3	1	1
Bulldozer	Rubber Tired Dozer	0	2	5	0	2
Highway Dump Truck	HDT	5	10	20	5	10
Grader	Grader	0	2	2	0	2
Water Truck	HDT	0	1	2	0	1
Self-propelled Sheepsfoot or Tramping Roller	Roller	0	2	2	0	2
Vibratory Smooth-Wheel Compactor	Roller	0	1	1	0	1
Forklift	Forklift	0	1	5	0	0
DMM Rig	Drill Rig	0	0	2	0	0
Bulk Material and Hydration Silos	none	0	0	8	0	0
Truck-Mounted Crane	Crane	1	0	2	0	0
Concrete Transit Truck	HDT	1	1	0	0	0
Lubricating Truck	T7 Utility	0	0	1	0	0
Pickup Trick	LDT1-2	0	0	0	0	0
Drill Rig (truck-mounted)	Drill Rig	0	2	0	0	0
Hydro-seed Truck	T6 Instate Heavy	0	0	1	0	0

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Conceptual Construction Equipment Estimate

Project Phase		Note: Maximum equipment estimates based on SREL 2016 65% design information have been doubled for input into the RCEM for WRDA (ARCF) 2016 to reflect the approximate doubling of material volumes.					
Equipment Description	**CalEEMod/EMFAC Category**	**RCEM Equipment Category**	**Conservative Estimate Maximum Quantity of Vehicles for WRDA 2016 Seepage and Stability Contracts RCEM Categories with On-Road Vehicles Removed**				
		Additional Equipment Added per Project Team	**Vegetation Encroachment Removal; Utility Reloation**	**Berms, Toe Drains, Slope Flattening; Relief Wells**	**Mobilization; Cutoff Wall; Site Restoration and Demobilization**	**Vegetation Encroachment Removal**	**Berms, Toe Drains, Slope Flattening**
Equipment/supply Transport Trucks	HDT						
Hydraulic Excavator	Excavator	Excavator	2	2	10	2	2
Long-Stick Excavator	Excavator						
Front-end Loader	T/L/B	Tractor/Loader/Backhoe	2	2	6	2	2
Bulldozer	Rubber Tired Dozer	Rubber Tired Dozer		4	10		4
Highway Dump Truck	HDT						
Grader	Grader	Grader		4	4		4
Water Truck	HDT	Water Truck		2	4		2
Self-propelled Sheepsfoot or Tramping Roller	Roller	Roller		6	6		6
Vibratory Smooth-Wheel Compactor	Roller						
Forklift	Forklift	Rough Terrain Forklift		2	10		
DMM Rig	Drill Rig	Bore/Drill Rigs		4	4		
Bulk Material and Hydration Silos	none	Other Material Handling			16		
Truck-Mounted Crane	Crane	Crane	2		4		
Concrete Transit Truck	HDT						
Lubricating Truck	T7 Utility						
Pickup Trick	LDT1-2	Generator Sets		1	1		1
Drill Rig (truck-mounted)	Drill Rig	Signal Boards	1	6	6	1	6
Hydro-seed Truck	T6 Instate Heavy	Sweeper	1	1	1	1	1

Attachment 4

Modeling Assumptions

Mitigation Sites

Supporting Calculations for Material Volumes, Equipment, and Quarterly Allocation of Emissions – Mitigation

The mitigation contract will establish a terrestrial mitigation site of Elderberry. Construction activities will include clearing and grubbing of the full site and installation of plantings, fencing, and irrigation. The initial assumption is for a 50-acre site. Construction is planned for 2023 and will be year around (emissions are assumed evenly distributed). Construction equipment assumptions were supplied by the U.S. Army Corp of Engineers, Sacramento Division based on previous similar projects.

Attachment 5

Roadway Construction Emissions Model

Input Assumptions

American River Erosion - Contract 1

Type	Material	Quantity	Unit	Miles per Trip
Export	soil, veg	1,100	CY	14
Import	rock	83,000	CY	50
Import	soil,veg	23,000	CY	5
Import	cobble	20,300	CY	50
Export	soil	135,000	CY	14

American River Erosion - Contract 2, per season

Type	Material	Quantity	Unit	Miles per Trip
Export	soil, veg	1,200	CY	14
Import	rock	584,600	CY	50
Import	soil, veg	117,800	CY	5

Sacramento River Erosion- Contract 1

Type	Material	Quantity	Unit	Miles per Trip	Barge Miles in BAAQMD
Export	soil, veg	93	CY	20	
Import	soil, veg	1,100	CY	5	
Barge	rip rap	23,000	CY	45	50.4

Sacramento River Erosion- Contracts 2 - 3, per contract, per season

Type	Material	Quantity	Unit	Miles per Trip	Barge Miles in BAAQMD
Export	soil, veg	550	CY	20	
Import	soil, veg	6,803	CY	5	
Barge	rip rap	141,683	CY	45	50.4

Sacramento Weir

Type	Material	Quantity	Unit	Miles per Trip	Barge Miles in BAAQMD
Export	soil and veg.	20,000	CY	0.6	
Import	soil	370,000	CY	30	
Import	concrete	8,000	CY	30	
Import	concrete	21,300	CY	30	
Import	asphalt	1,750	CY	30	
Import	road base	15,000	CY	30	
Import	aggregate, fill	4,500	CY	30	
Export	soil	43,000	CY	0.6	
Import	aggregate, fill	5,150	CY	30	
Export	soil	585,000	CY	0.6	
Import	rip rap	-	CY	40	
Import	rip rap	-	CY	40	
Export	soil	54,000	CY	0.6	
Import	rock	1,700	CY	30	
Import	gravel	250	CY	30	
Barge	rip rap	25,000	CY	57.4	45
Barge	rip rap	75,000	CY	57.4	45

Magpie Creek

Type	Material	Quantity	Unit	Miles per Trip
Import	soil	5,940	CY	50
Import	soil	13,200	CY	50
Import	aggregate	59,400	CY	50
Import	concrete	29,700	CY	50
Export	soil	9,900	CY	20
Import	stone	100,000	CY	50

SREL

Type	Material	Quantity	Unit	Miles per Trip
Import	misc. material - mobilization	2,565	CY	15
Export	offsite disposal - veg	2,565	CY	13
Import	type 1,2 fill - berm	40,015	CY	13
Import	stockpile - berm	21,375	CY	30
Import	offsite quarry -berm	13,304	CY	13
Export	offsite disposal - berm	19,494	CY	13
Export	offsite disposal - utility	51	CY	13
Import	type 1,2 fill - cutoff walls	367,656	CY	13
Import	stockpile - cutoff walls	360,302	CY	30
Import	offsite quarry - cutoff walls	15,613	CY	13
Export	offsite disposal - cutoff walls	14,929	CY	13
Import	misc. material - cutoff walls	12,398	CY	4.5
Import	stockpile - relief wells	33	CY	30
Import	offsite quarry - relief wells	109	CY	13
Export	offsite disposal - relief wells	73	CY	13
Import	misc. material - relief wells	122	CY	6.5
Import	misc. material - site restoration	1,283	CY	15
Import	misc. material - demobilization	2,565	CY	15

Mitigation

Type	Material	Quantity	Unit	Miles per Trip
Export	soil, veg	800	CY	10
Export	soil	12,000	CY	10

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Basic Project Model Assumptions

Project Name [1] *:*	American River Erosion Contract 1		*Assumed Mitigation:*	On-Road	2010 and Newer On-Road Vehicle Fleet
Modeled As:	Other Linear Project			Off-Road	Tier 4 Equipment
Predominant Soil Type:	Weathered Rock Earth				90% of HP as Tier 4 Equipment
Project Length:	12,700	feet	2.4 *miles*		
Project Width:	100	feet			
Project Area:	29	acres	*Note:*	[1] Contract 1 is only Reach 2	
Maximum Area Disturbed/Day:	5	acres		[2] 0.3 monts for clearing/ grubbing and 3 months for grading/excavating	
Water Trucks Used:	Yes			Expect one active construction site.	
Total Working Days in a Month:	22				
Months Worked each Year:					
2020	3	Months[2]			
2021	0	Months			
2022	0	Months			
2023	0	Months			
Haul Truck Capacity:	15	CY			
User Override Equipment:	10	Hours/Day			

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2020	Clearing and Grubbing	Grubbing/ Clearing	0	167	soil, vegetation	0	14	28	11	40
2020	Rock RipRap	Grading/ Excavation	1,258	0	rock	50	0	100	84	75
2020	Top Soil (Planting Bench)	Grading/ Excavation	348	0	soil, vegetation	5	0	10	23	30
2020	Cobble	Grading/ Excavation	308	0	cobble	50	0	100	22	75
2020	Excavation and Offhaul	Grading/ Excavation	0	2045	soil	0	14	28	136	75
2020	**All**	**Grubbing/ Clearing**	**0**	**167**	**Soil**			**28**		**40**
2020	**All**	**Grading/ Excavation**	**1914**	**2045**	**Soil**			**61**		**75**

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

Equipment	No. of Equipment	
	Grubbing/ Clearing 2020	Grading/ Excavating 2020
Aerial Lifts	0	0
Air Compressors	0	0
Bore/Drill Rigs	0	0
Cement and Mortar Mixers	0	0
Concrete/Industrial Saws	0	0
Cranes	0	2
Crawler Tractors	0	0
Crushing/Proc. Equipment	0	0
Excavators	6	2
Forklifts	0	0
Generator Sets	1	1
Graders	0	2
Off-Highway Tractors	0	0
Off-Highway Trucks	0	2
Other Construction Equipment	0	1
Other General Industrial Equipment	0	2
Other Material Handling Equipment	0	1
Pavers	0	0
Paving Equipment	0	0
Plate Compactors	0	0
Pressure Washers	0	0
Pumps	0	0
Rollers	0	0
Rough Terrain Forklifts	0	0
Rubber Tired Dozers	0	2
Rubber Tired Loaders	0	0
Scrapers	0	0
Signal Boards	6	6
Skid Steer Loaders	0	3
Surfacing Equipment	0	0
Sweepers/Scrubbers	1	1
Tractors/Loaders/Backhoes	0	2
Trenchers	0	2
Welders	0	0

SAFCA/ USACE

Sacramento Supplemental Projects General Conformity Analysis

Roadway Construction Emissions Model (RCEM) Input Assumptions

Basic Project Model Assumptions

Project Name:	American River Erosion Contract 2		*Assumed Mitigation:*	On-Road	2010 and Newer On-Road Vehicle Fleet
Modeled As:	Other Linear Project			Off-Road	Tier 4 Equipment
Predominant Soil Type:	Weathered Rock Earth				90% of HP as Tier 4 Equipment
Project Length:	32,200	feet	6.1 miles per season		
Project Width:	100	feet			
Project Area:	74	acres	Note:	[1]0.3 months for clearing/ grubbing and 3 months for grading/excavating	
Maximum Area Disturbed/Day:	5	acres			
Water Trucks Used:	Yes			[2]Material volumes are per season, assumed equal for both seasons	
Total Working Days in a Month:	22			Expect five active construction sites operating concurrently.	
Months Worked each Year:					
2020	0	Months			
2021	3	Months[1]			
2022	3	Months			
2023	0	Months			
Haul Truck Capacity:	15	CY			
User Override Equipment:	10	Hours/Day			

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips /day (one way round)	No. of Employees
2021	Clearing and Grubbing[2]	Grubbing/ Clearing	0	182	soil, vegetation	0	14	28	12	**40**
2021	Rock RipRap[2]	Grading/ Excavation	8,858	0	rock	50	0	100	591	**75**
2021	Top Soil (Planting Bench)[2]	Grading/ Excavation	1785	0	soil, vegetation	5	0	10	119	**30**
2021	**All**	**Grubbing/ Clearing**	**0**	**182**	**Soil**			**28**		**40**
2021	**All**	**Grading/ Excavation**	**10642**	**0**	**Soil**			**85**		**75**

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

Equipment	No. of Equipment	
	Grubbing/ Clearing 2021[2]	Grading/ Excavating 2021[2]
Aerial Lifts	0	0
Air Compressors	0	0
Bore/Drill Rigs	0	0
Cement and Mortar Mixers	0	0
Concrete/Industrial Saws	0	0
Cranes	0	6
Crawler Tractors	0	0
Crushing/Proc. Equipment	0	0
Excavators	6	6
Forklifts	0	0
Generator Sets	1	3
Graders	0	4
Off-Highway Tractors	0	0
Off-Highway Trucks	0	6
Other Construction Equipment	0	1
Other General Industrial Equipment	0	2
Other Material Handling Equipment[5]	0	1
Pavers	0	0
Paving Equipment	0	0
Plate Compactors	0	0
Pressure Washers	0	0
Pumps	0	0
Rollers	0	0
Rough Terrain Forklifts	0	0
Rubber Tired Dozers	0	6
Rubber Tired Loaders	0	4
Scrapers	0	0
Signal Boards	6	6
Skid Steer Loaders	0	3
Surfacing Equipment	0	0
Sweepers/Scrubbers	1	1
Tractors/Loaders/Backhoes	0	3
Trenchers	0	2
Welders	0	0

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Basic Project Model Assumptions

Project Name:	Sac River Erosion Contract 1		*Assumed Mitigation:*	On-Road	2010 and Newer On-Road Vehicle Fleet
Modeled As:	Other Linear Project			Off-Road	Tier 4 Equipment
Predominant Soil Type:	Weathered Rock Earth				90% of HP as Tier 4 Equipment
Project Length:	1,150	feet (0.22 *miles*)			
Project Width:	80	feet			
Project Area (acres):	2	acres	*Note:*	[1] 0.3 months for clearing/ grubbing and 4 months for grading/excavating	
Maximum Area Disturbed/Day:	2	acres		[2] Reach 55.2 L is 1150 feet long	
Water Trucks Used:	Yes			Expect one active construction site.	
Total Working in Month:	22	days			
Months Worked each Year:					
2020	4	Months[1]			
2021	0	Months			
2022	0	Months			
2023	0	Months			
Haul Truck Capacity:	15	CY			
User Override Equipment:	10	Hours/Day			

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2020	Site Prep. (Soil export) - C1	Grubbing/ Clearing	0	14	soil and veg.	0	20	40	1	25
2020	Hydroseed/Add soil to Rock - C1	Grading/ Excavation	13		soil and veg.	5	0	10	1	40
2020	**All**	**Grubbing/ Clearing**	**0**	**14**	**Soil**			**40**		**25**
2020	**All**	**Grading/ Excavation**	**13**	**0**	**Soil**			**10**		**40**

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

	No. of Equipment	
Equipment	Grubbing/ Clearing Phase	Grading/ Excavating
Aerial Lifts	0	0
Air Compressors	0	0
Bore/Drill Rigs	0	0
Cement and Mortar Mixers	0	0
Concrete/Industrial Saws	0	0
Cranes	0	2
Crawler Tractors	0	0
Crushing/Proc. Equipment	0	0
Excavators	6	2
Forklifts	0	0
Generator Sets	1	1
Graders	0	2
Off-Highway Tractors	0	0
Off-Highway Trucks	0	2
Other Construction Equipment	0	1
Other General Industrial Equipment	0	2
Other Material Handling Equipment	0	1
Pavers	0	0
Paving Equipment	0	0
Plate Compactors	0	0
Pressure Washers	0	0
Pumps	0	0
Rollers	0	0
Rough Terrain Forklifts	0	0
Rubber Tired Dozers	0	2
Rubber Tired Loaders	0	0
Scrapers	0	0
Signal Boards	6	6
Skid Steer Loaders	0	3
Surfacing Equipment	0	0
Sweepers/Scrubbers	1	1
Tractors/Loaders/Backhoes	0	2
Trenchers	0	2
Welders	0	0

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Basic Project Model Assumptions

Project Name:	Sac River Erosion Contracts 2 and 3		*Assumed Mitigation:*	On-Road	2010 and Newer On-Road Vehicle Fleet
Modeled As:	Other Linear Project			Off-Road	Tier 4 Equipment
Predominant Soil Type:	Weathered Rock Earth				90% of HP as Tier 4 Equipment
Project Length:	7,113	feet	1.3	miles each year, each contract	
Project Width:	80	feet			
Project Area (acres):	13	acres	*Note:*	[1] 0.3 months for clearing/ grubbing and 4 months for grading/excavating	
Maximum Area Disturbed/Day:	5	acres		[2] Material Volumes are per contract, per year	
Water Trucks Used:	Yes			Expect four active construction sites operating concurrently.	
Total Working in Month:	22	days			
Months Worked each Year:					
2020	0	Months[1]			
2021	4	Months[1]			
2022	4	Months[1]			
2023	0	Months[1]			
Haul Truck Capacity:	15	CY			
User Override Equipment:	10	Hours/Day			

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2021	Site Prep. (Soil export) - C1	Grubbing/ Clearing	0	83	soil and veg.	0	20	40	6	25
2021	Hydroseed/Add soil to Rock - C1	Grading/ Excavation	77		soil and veg.	5	0	10	5	55
2021	**All**	**Grubbing/ Clearing**	**0**	**83**	**Soil**			**40**		**25**
2021	**All**	**Grading/ Excavation**	**77**	**0**	**Soil**			**10**		**55**

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

Equipment	No. of Equipment	
	Grubbing/ Clearing 2021[2]	Grading/ Excavating 2021[2]
Aerial Lifts	0	0
Air Compressors	0	0
Bore/Drill Rigs	0	0
Cement and Mortar Mixers	0	0
Concrete/Industrial Saws	0	0
Cranes	0	4
Crawler Tractors	0	0
Crushing/Proc. Equipment	0	0
Excavators	6	4
Forklifts	0	0
Generator Sets	1	1
Graders	0	2
Off-Highway Tractors	0	0
Off-Highway Trucks	0	4
Other Construction Equipment	0	1
Other General Industrial Equipment	0	2
Other Material Handling Equipment	0	1
Pavers	0	0
Paving Equipment	0	0
Plate Compactors	0	0
Pressure Washers	0	0
Pumps	0	0
Rollers	0	0
Rough Terrain Forklifts	0	0
Rubber Tired Dozers	0	4
Rubber Tired Loaders	0	0
Scrapers	0	0
Signal Boards	6	6
Skid Steer Loaders	0	4
Surfacing Equipment	0	0
Sweepers/Scrubbers	1	1
Tractors/Loaders/Backhoes	0	2
Trenchers	0	2
Welders	0	0

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Basic Project Model Assumptions

Project Name:	Sacramento Weir Widening	Case 1	*Assumed Mitigation:*	On-Road	2010 and Newer On-Road Vehicle Fleet
Modeled As:	Other Linear Project			Off-Road	Tier 4 Equipment
Predominant Soil Type:	Weathered Rock Earth				90% of HP as Tier 4 Equipment
Project Length:	7,000 feet	1.3 miles			
Project Width:	3,000 feet		*Note:*	[1] fish passage channel = 200 acres; remaining project area	
Project Area (acres) [1] *:*	482 acres			= 285 acres	
Maximum Area Disturbed/Day:	40 acres			[2] 0.8 months for clearing/ grubbing and	
Water Trucks Used:	Yes			8 months for grading/excavating	
Total Working in Month:	22 days				
Months Worked each Year:					
2020	0 Months				
2021	8 Months[2]				
2022	12 Months				
2023	10 Months				
Haul Truck Capacity:	15 CY				
User Override Equipment:	10 Hours/Day				

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2021	Site Prep. (Excavating Vegetation)	Grubbing/ Clearing	0	1,136	soil and veg.	0	0.6	1.2	76	40
2021	Complete Constr. of North Levee - Import Material	Grading/ Excavation	2102	0	soil	30	0	60	140	75
2021	Complete Constr. of North Levee - Concrete Slope Protection	Grading/ Excavation	45	0	concrete	30	0	60	3	75
2021	Island Rock Rip Rap	Grading/ Excavation	0	0	rip rap	40	0	1.2	0	75
2022	Construct Passive Weir Structure	Grading/ Excavation	81	0	concrete	30	0	60	6	75
2022	Temp. Rd, Rd 126, and River Road - asphalt	Grading/ Excavation	7	0	asphalt	30	0	60	0	75
2022	Temp. Rd, Rd. 126, and River Road - road base	Grading/ Excavation	57	0	road base	30	0	60	4	75
2022	Railroad Bridge	Grading/ Excavation	17	163	aggregate, fill	30	0.6	61.2	12	75
2022	River Road Bridge	Grading/ Excavation	20	0	aggregate, fill	30	0	60	2	75
2023	Degrade old levees	Grading/ Excavation	0	2659	soil, veg.	0	0.6	1.2	177	40
2023	Sac River Rock/ Rip Rap	Grading/ Excavation	0	0	rip rap	40	0	1.2	0	75
2023	Fish Passage Channel Excavate	Grading/ Excavation	0	245	concrete	0	0.6	1.2	16	75
2023	Fish Passage Rock Liner	Grading/ Excavation	8	0	rock	30	0	60	1	75
2023	Fish Passage Maintenance Rd	Grading/ Excavation	1	0	gravel	30	0	60	0	75
2021	**All**	**Grubbing/ Clearing**	**0**	**1136**	**Soil**			**1.2**		**40**
2021	**All**	**Grading/ Excavation**	**2148**	**0**	**Soil**			**60.0**		**75**
2022	**All**	**Grading/ Excavation**	**181**	**163**	**Asphalt/Soil**			**60.6**		**75**
2023	**All**	**Grading/ Excavation**	**9**	**2905**	**Soil**			**1.4**		**75**

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

	No. of Equipment			
Equipment	Grubbing/Clearing Phase 2021	Grading/ Excavating 2021	Grading/ Excavating 2022	Grading/ Excavating 2023
Aerial Lifts	0	0	0	0
Air Compressors	0	0	0	0
Bore/Drill Rigs	0	1	0	0
Cement and Mortar Mixers	0	4	4	2
Concrete/Industrial Saws	0	0	0	0
Cranes	0	4	4	2
Crawler Tractors	0	0	0	0
Crushing/Proc. Equipment	0	0	0	0
Excavators	3	3	3	3
Forklifts	0	0	0	0
Generator Sets	1	2	2	2
Graders	0	0	1	1
Off-Highway Tractors	0	0	0	0
Off-Highway Trucks	5	5	5	5
Other Construction Equipment	0	1	1	1
Other General Industrial Equipment	0	0	0	0
Other Material Handling Equipment	0	0	1	1
Pavers	0	0	0	0
Paving Equipment	0	0	1	1
Plate Compactors	0	0	0	0
Pressure Washers	0	0	0	0
Pumps	0	2	1	1
Rollers	0	0	0	0
Rough Terrain Forklifts	0	0	0	0
Rubber Tired Dozers	0	0	1	1
Rubber Tired Loaders	0	0	0	0
Scrapers	0	0	1	1
Signal Boards	0	0	0	0
Skid Steer Loaders	0	0	0	0
Surfacing Equipment	0	0	1	1
Sweepers/Scrubbers	0	1	1	1
Tractors/Loaders/Backhoes	0	2	2	2
Trenchers	0	1	1	1
Welders	0	0	0	0

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Basic Project Model Assumptions

Project Name:	Sacramento Weir Widening	Case 2	
Modeled As:	Other Linear Project		
Predominant Soil Type:	Weathered Rock Earth		
Project Length:	7,000	feet	
Project Width:	3,000	feet	
Project Area (acres) [1] *:*	482	acres	
Maximum Area Disturbed/Day:	40	acres	
Water Trucks Used:	Yes		
Total Working in Month:	22	days	
Months Worked each Year:			
2020	0	Months	
2021	8	Months[2]	
2022	12	Months	
2023	10	Months	
Haul Truck Capacity:	15	CY	
User Override Equipment:	10	Hours/Day	

Assumed Mitigation:
On-Road: 2010 and Newer On-Road Vehicle Fleet
Off-Road: Tier 4 Equipment
90% of HP as Tier 4 Equipment

Note:
[1] fish passage channel = 200 acres; remaining project area = 285 acres

[2] 0.8 months for clearing/ grubbing and 8 months for grading/excavating

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2021	Site Prep. (Excavating Vegetation)	Grubbing/ Clearing	0	1,136	soil and veg.	0	0.6	1.2	76	40
2021	Complete Constr. of North Levee - Import Material	Grading/ Excavation	2102	0	soil	30	0	60	140	75
2021	Complete Constr. of North Levee - Concrete Slope	Grading/ Excavation	45	0	concrete	30	0	60	3	75
2021	Island Rock Rip Rap	Grading/ Excavation	0	0	rip rap	40	0	1.2	0	75
2022	Construct Passive Weir Structure	Grading/ Excavation	81	0	concrete, asphalt	30	0	60	6	75
2022	Temp. Rd, Rd 126, and River Road - asphalt	Grading/ Excavation	7	0	asphalt	30	0	60	0	75
2022	Temp. Rd, Rd. 126, and River Road - road base	Grading/ Excavation	57	0	road base	30	0	60	4	75
2021	Railroad Bridge	Grading/ Excavation	26	244	aggregate, fill	30	0.6	61.2	18	75
2022	River Road Bridge	Grading/ Excavation	20	0	aggregate, fill	30	0	60	2	75
2023	Degrade old levees	Grading/ Excavation	0	2659	soil, veg.	0	0.6	1.2	177	40
2023	Sac River Rock/ Rip Rap	Grading/ Excavation	0	0	rip rap	40	0	1.2	0	75
2023	Fish Passage Channel Excavate	Grading/ Excavation	0	245	concrete	0	0.6	1.2	16	75
2023	Fish Passage Rock Liner	Grading/ Excavation	8	0	rock	30	0	60	1	75
2023	Fish Passage Maintenance Rd	Grading/ Excavation	1	0	gravel	30	0	60	0	75
2021	**All**	**Grubbing/ Clearing**	**0**	**1136**	**Soil**			**1.2**		**40**
2021	**All**	**Grading/ Excavation**	**2173**	**244**	**Soil**			**60.1**		**75**
2022	**All**	**Grading/ Excavation**	**164**	**0**	**Soil/Asphalt**			**60.0**		**75**
2023	**All**	**Grading/ Excavation**	**9**	**2905**	**Soil**			**1.4**		**75**

SAFCA/ USACE
Sacramento Supplemental Projects General Conformity Analysis
Roadway Construction Emissions Model (RCEM) Input Assumptions

Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

	No. of Equipment			
Equipment	Grubbing/Clearing Phase 2021	Grading/ Excavating 2021	Grading/ Excavating 2022	Grading/ Excavating 2023
Aerial Lifts	0	0	0	0
Air Compressors	0	0	0	0
Bore/Drill Rigs	0	1	0	0
Cement and Mortar Mixers	0	4	4	2
Concrete/Industrial Saws	0	0	0	0
Cranes	0	4	4	2
Crawler Tractors	0	0	0	0
Crushing/Proc. Equipment	0	0	0	0
Excavators	3	3	3	3
Forklifts	0	0	0	0
Generator Sets	1	2	2	2
Graders	0	0	1	1
Off-Highway Tractors	0	0	0	0
Off-Highway Trucks	5	5	5	5
Other Construction Equipment	0	1	1	1
Other General Industrial Equipment	0	0	0	0
Other Material Handling Equipment	0	0	1	1
Pavers	0	0	0	0
Paving Equipment	0	0	1	1
Plate Compactors	0	0	0	0
Pressure Washers	0	0	0	0
Pumps	0	2	1	1
Rollers	0	0	0	0
Rough Terrain Forklifts	0	0	0	0
Rubber Tired Dozers	0	0	1	1
Rubber Tired Loaders	0	0	0	0
Scrapers	0	0	1	1
Signal Boards	0	0	0	0
Skid Steer Loaders	0	0	0	0
Surfacing Equipment	0	0	1	1
Sweepers/Scrubbers	0	1	1	1
Tractors/Loaders/Backhoes	0	2	2	2
Trenchers	0	1	1	1
Welders	0	0	0	0

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Basic Project Model Assumptions				*Assume berms split as follows:*			*Calculated Construction Months:*				
Project Name:	Seepage and Stability					2020	24%	4			
Modeled As:	Other Linear Project					2021	32%	4			
Predominant Soil Type:	Weathered Rock Earth					2023	32%	4			
Project Length:	44158	feet		*Allocated Cut Off Walls as follows:*							
Project Width:	200	feet			Contract 1	2020	34%	6.4			
Project Area (acres):	203	acres[1]			Contract 2	2021	29%	5.3			
Maximum Area Disturbed/Day:	5	acres[1]			Contract 3	2022	30%	5.6			
Water Trucks Used:	Yes				Contract 4	2023	7%	1.2			
Total Working in Month:	22	days		*Assume mobilization split:*							
Months Worked each Year:						2020	30%	1			
2020	7.8	Months[2]				2021	20%	1			
2021	7.2	Months[3]				2022	20%	1			
2022	7	Months[4]				2023	30%	1			
2023	4	Months		*Relief Well*[5] *:*	10%			3			
Haul Truck Capacity (CY):	15	CY		*Percent Acre Disturbed:*							
Employee 1-way distance:	20	miles				2020	36%				
Employee 1-way trip:	2	per day				2021	36%				
User Override Equipment:	10	Hours/Day				2022	14%				
Assumed Mitigation:	On-Road	2010 and Newer On-Road Vehicle Fleet				2023	14%				
	Off-Road	Tier 4 Equipment		*Vegetation Removal/Utility Relocation*				1			
		90% of HP as Tier 4 Equipment		*Site Restoration*				0.75			
				Demobilization				0.5			
Note:	[1] Total acres/LF for all 4 years										
	[2] Total Months (CO Walls, Mob, Demob, VR, Restoration; assumes berms and wells are concurrent at 4 months)										
	[3] Total Months (CO Walls, Mob, Demob, VR, Restoration; assumes berms are concurrent at 4 months)										
	[4] Total Months (CO Walls, Mob, Demob, VR, Restoration)										
	[5] 2016 design had 42 relief wells, current design has 4										

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Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2020	Mobilization	Grading/ Excavation	35	0	misc.	15	0	30	2	
2020	Vegetation/Encroachment Removal	Grubbing/ Clearing	0	40	soil and veg.	0	13	26	3	
2020	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	109	0	Type 1,2 Fill	13	0	26	7	
2020	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	58	0	stockpile	30	0	60	4	
2020	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	36	0	offsite quarry	13	0	26	2	
2020	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	0	53	offsite disposal	0	13	26	4	
2020	Utility	Grubbing/ Clearing	0	1	offsite disposal	13	0	26	0	
2020	Cutoff Walls	Grading/ Excavation	888	0	Type 1,2 Fill	13	0	26	59	
2020	Cutoff Walls	Grading/ Excavation	870	0	stockpile	30	0	60	58	
2020	Cutoff Walls	Grading/ Excavation	38	0	offsite quarry	13	0	26	3	
2020	Cutoff Walls	Grading/ Excavation	0	36	offsite disposal	0	13	26	2	
2020	Cutoff Walls	Grading/ Excavation	30	0	misc.	5	0	9	2	
2020	Relief Wells	Grading/ Excavation - Break 1	0.5	0	stockpile	30	0	60	0	
2020	Relief Wells	Grading/ Excavation - Break 1	2	0	offsite quarry	13	0	26	0	
2020	Relief Wells	Grading/ Excavation - Break 1	0	1	offsite disposal	0	13	26	0	
2020	Relief Wells	Grading/ Excavation - Break 1	2	0	misc.	7	0	13	0	
2020	Site Restoration	Grading/ Excavation	28	0	misc.	15	0	30	2	
2020	Demobilization	Grading/ Excavation	70	0	misc.	15	0	30	5	
2021	Mobilization	Grading/ Excavation	23	0	misc.	15	0	30	2	
2021	Vegetation/Encroachment Removal	Grubbing/ Clearing	0	34	soil, veg.	0	13	26	2	
2021	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	146	0	Type 1,2 Fill	13	0	26	10	
2021	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	78	0	stockpile	30	0	60	5	
2021	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	48	0	offsite quarry	13	0	26	3	
2021	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	0	71	offsite disposal	0	13	26	5	
2021	Utility	Grubbing/ Clearing	0	1	offsite disposal	13	0	26	0	
2021	Cutoff Walls	Grading/ Excavation	914	0	Type 1,2 Fill	13	0	26	61	
2021	Cutoff Walls	Grading/ Excavation	896	0	stockpile	30	0	60	60	
2021	Cutoff Walls	Grading/ Excavation	39	0	offsite quarry	13	0	26	3	
2021	Cutoff Walls	Grading/ Excavation	0	37	offsite disposal	0	13	26	2	
2021	Cutoff Walls	Grading/ Excavation	31	0	misc.	5	0	9	2	
2021	Site Restoration	Grading/ Excavation	28	0	misc.	15	0	30	2	
2021	Demobilization	Grading/ Excavation	47	0	misc.	15	0	30	3	
2022	Mobilization	Grading/ Excavation	23	0	misc.	15	0	30	2	
2022	Vegetation/Encroachment Removal	Grubbing/ Clearing	0	35	misc.	0	13	26	2	
2022	Cutoff Walls	Grading/ Excavation	895	0	Type 1,2 Fill	13	0	26	60	
2022	Cutoff Walls	Grading/ Excavation	877	0	stockpile	30	0	60	58	
2022	Cutoff Walls	Grading/ Excavation	38	0	offsite quarry	13	0	26	3	
2022	Cutoff Walls	Grading/ Excavation	0	36	offsite disposal	0	13	26	2	
2022	Cutoff Walls	Grading/ Excavation	30	0	misc.	5	0	9	2	
2022	Site Restoration	Grading/ Excavation	11	0	misc.	15	0	30	1	
2022	Demobilization	Grading/ Excavation	47	0	misc.	15	0	30	3	
2023	Mobilization	Grading/ Excavation	35	0	misc.	15	0	30	2	
2023	Vegetation/Encroachment Removal	Grubbing/ Clearing	0	8	soil and veg.	0	13	26	1	
2023	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	146	0	Type 1,2 Fill	13	0	26	10	
2023	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	78	0	stockpile	30	0	60	5	
2023	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	48	0	offsite quarry	13	0	26	3	
2023	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	0	71	offsite disposal	0	13	26	5	
2023	Utility	Grubbing/ Clearing	0	1	offsite disposal	13	0	26	0	
2023	Cutoff Walls	Grading/ Excavation	933	0	Type 1,2 Fill	13	0	26	62	
2023	Cutoff Walls	Grading/ Excavation	914	0	stockpile	30	0	60	61	
2023	Cutoff Walls	Grading/ Excavation	40	0	offsite quarry	13	0	26	3	
2023	Cutoff Walls	Grading/ Excavation	0	38	offsite disposal	0	13	26	3	
2023	Cutoff Walls	Grading/ Excavation	31	0	misc.	5	0	9	2	
2023	Site Restoration	Grading/ Excavation	11	0	misc.	15	0	30	1	
2023	Demobilization	Grading/ Excavation	70	0	misc.	15	0	30	5	

2020	Vegetation/Encroachment Removal; Utility Relocation	Grubbing/ Clearing	0	40				26		14	
2020	Berms, Toe Drains, Slope Flattening; Relief Wells	Grading/ Excavation - Break 1	208	54				34		45	
2020	Mobilization; Cutoff Wall, Site Restoration; Demobilization	Grading/ Excavation	1958	36				41		100	
2021	Vegetation/Encroachment Removal; Utility Relocation	Grubbing/ Clearing	0	35				26		14	
2021	Berms, Toe Drains, Slope Flattening	Grading/ Excavation - Break 1	272	71				34		30	
2021	Mobilization; Cutoff Wall, Site Restoration; Demobilization	Grading/ Excavation	1978	37				41		100	
2022	Vegetation/Encroachment Removal	Grubbing/ Clearing	0	35				26		14	
2022	Mobilization; Cutoff Wall, Site Restoration; Demobilization	Grading/ Excavation	1922	36				41		100	
2023	Vegetation/Encroachment Removal; Utility Relocation	Grubbing/ Clearing	0	9				26		14	
2023	Berms, Toe Drains, Slope Flattening; Relief Wells	Grading/ Excavation - Break 1	272	71				34		30	
2023	Mobilization; Cutoff Wall, Site Restoration; Demobilization	Grading/ Excavation	2034	38				41		100	

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Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases											
	No. of Equipment										
Equipment	**Grubbing/ Clearing** *(Vegetation/Encroachment Removal; Utility Relocation)* **2020**	**Grading/ Excavating** *(Mobilization; Cutoff Wall, Site Restoration; Demobilization)* **2020**	**Grading/ Excavating Break 1** *(Berms, Toe Drains, Slope Flattening; Relief Wells)* **2020**	**Grubbing/ Clearing** *(Vegetation/Encroachment Removal; Utility Relocation)* **2021**	**Grading/ Excavating** *(Mobilization; Cutoff Wall, Site Restoration; Demobilization)* **2021**	**Grading/ Excavating Break 1** *(Berms, Toe Drains, Slope Flattening)* **2021**	**Grubbing/ Clearing** *(Vegetation/Encroachment Removal)* **2022**	**Grading/ Excavating** *(Mobiliza tion; Cutoff Wall, Site Restoration, Demobiliza tion)* **2022**	**Grubbing/ Clearing** *(Vegetation/Encroach-ment Removal; Utility Relocation)* **2023**	**Grading/ Excavating** *(Mobiliza tion; Cutoff Wall, Site Restoration; Demobiliza tion)* **2023**	**Grading/ Excavating Break 1** *(Berms, Toe Drains, Slope Flattening)* **2023**
Aerial Lifts	0	0	0	0	0	0	0	0	0	0	0
Air Compressors	0	0	0	0	0	0	0	0	0	0	0
Bore/Drill Rigs	0	4	4	0	4	0	0	4	0	4	0
Cement and Mortar Mixers	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws	0	0	0	0	0	0	0	0	0	0	0
Cranes	2	4	0	2	4	0	0	4	2	4	0
Crawler Tractors	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment	0	0	0	0	0	0	0	0	0	0	0
Excavators	2	10	2	2	10	2	2	10	2	10	2
Forklifts	0	0	0	0	0	0	0	0	0	0	0
Generator Sets	0	1	1	0	1	1	0	1	0	1	1
Graders	0	4	4	0	4	4	0	4	0	4	4
Off-Highway Tractors	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Trucks	0	0	0	0	0	0	0	0	0	0	0
Other Construction Equipment	0	0	0	0	0	0	0	0	0	0	0
Other General Industrial Equipment	0	0	0	0	0	0	0	0	0	0	0
Other Material Handling Equipment	0	16	0	0	16	0	0	16	0	16	0
Pavers	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment	0	0	0	0	0	0	0	0	0	0	0
Plate Compactors	0	0	0	0	0	0	0	0	0	0	0
Pressure Washers	0	0	0	0	0	0	0	0	0	0	0
Pumps	0	0	0	0	0	0	0	0	0	0	0
Rollers	0	6	6	0	6	6	0	6	0	6	6
Rough Terrain Forklifts	0	10	2	0	10	0	0	10	0	10	0
Rubber Tired Dozers	0	10	4	0	10	4	0	10	0	10	4
Rubber Tired Loaders	0	0	0	0	0	0	0	0	0	0	0
Scrapers	0	0	0	0	0	0	0	0	0	0	0
Signal Boards	1	6	6	1	6	6	1	6	1	6	6
Skid Steer Loaders	0	0	0	0	0	0	0	0	0	0	0
Surfacing Equipment	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers	1	1	1	1	1	1	1	1	1	1	1
Tractors/Loaders/Backhoes	2	6	2	2	6	2	2	6	2	6	2
Trenchers	0	0	0	0	0	0	0	0	0	0	0
Welders	0	0	0	0	0	0	0	0	0	0	0

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Basic Project Model Assumptions

Project Name:	Magpie Creek			*Assumed Mitigation:*		
Modeled As:	Other Linear Project				On-Road	2010 and Newer On-Road Vehicle Fleet
Predominant Soil Type:	Weathered Rock Earth				Off-Road	Tier 4 Equipment
Project Length:		3,100 feet	0.59 miles			90% of HP as Tier 4 Equipment
Project Width:		59 feet				
Project Area (acres):		4 acres				
Maximum Area Disturbed/Day:		1 acres				
Water Trucks Used:		Yes				
Total Working in Month:		22 days				
Months Worked each Year:						
2020		0 Months				
2021		0 Months				
2022		3 Months				
2023		0 Months				
Haul Truck Capacity:		15 CY				
User Override Equipment:		10 Hours/Day				

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2022	Levee Raise	Grading/ Excavation	90	0	soil	50	0	100	6	40
2022	New Levees	Grading/ Excavation	200	0	soil	50	0	100	13	75
2022	Channel Improvement	Grading/ Excavation	0	150	soil	0	20	40	10	75
2022	Bank Protection	Grading/ Excavation	1515	0	stone	50	0	100	101	75
2022	Maintenance Roads	Grading/ Excavation	900	0	aggregate	50	0	100	60	75
2022	Culvert	Grading/ Excavation	450	0	concrete	50	0	100	31	75
2022	**All**	**Grading/ Excavation**	**2705**	**150**	**Soil**			**97**		**75**
2022	**All**	**Grading/ Excavation**	**450**	**0**	**Asphalt**			**100**		**75**

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Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

Equipment	No. of Equipment Grading/Excavating
Aerial Lifts	0
Air Compressors	0
Bore/Drill Rigs	0
Cement and Mortar Mixers	1
Concrete/Industrial Saws	0
Cranes	1
Crawler Tractors	0
Crushing/Proc. Equipment	0
Excavators	2
Forklifts	0
Generator Sets	1
Graders	1
Off-Highway Tractors	0
Off-Highway Trucks	2
Other Construction Equipment	2
Other General Industrial Equipment	2
Other Material Handling Equipment	10
Pavers	0
Paving Equipment	0
Plate Compactors	0
Pressure Washers	0
Pumps	0
Rollers	2
Rough Terrain Forklifts	0
Rubber Tired Dozers	2
Rubber Tired Loaders	0
Scrapers	1
Signal Boards	3
Skid Steer Loaders	0
Surfacing Equipment	1
Sweepers/Scrubbers	1
Tractors/Loaders/Backhoes	2
Trenchers	0
Welders	2

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Basic Project Model Assumptions

Project Name:	Mitigation		*Assumed Mitigation:*		
Modeled As:	Other Linear Project			On-Road	2010 and Newer On-Road Vehicle Fleet
Predominant Soil Type:	Weathered Rock Earth			Off-Road	Tier 4 Equipment
Project Length:	2,500 feet	0.47 miles			90% of HP as Tier 4 Equipment
Project Width:	900 feet				
Project Area (acres):	52 acres				
Maximum Area Disturbed/Day:	5 acres		*Note:*	[1] 0.6 months for clearing/ grubbing and 6 months for grading/excavating	
Water Trucks Used:	Yes				
Total Working in Month:	22 days				
Months Worked Each Year:					
2020	0 Months				
2021	0 Months				
2022	0 Months				
2023	6 Months[1]				
Haul Truck Capacity:	15 CY				
User Override Equipment:	10 Hours/Day				

Material Hauling/Handling Quantities by Task

Year	Task	Model As	Import Volume (CY/day)	Export Volume (CY/day)	Material	Miles per Trip (Import)	Miles per Trip (Export)	Miles Round Trip (for modeling)	Trips/day (one way and round)	No. of Employees
2023	Site Prep	Grubbing/ Clearing	0	6	soil, veg.	0	10	20	0.4	40
2023	Install Planting, Fencing, and Irrigation	Grading/ Excavation	0	91	rip rap	0	10	20	6	75
2023	**All**	**Grubbing/ Clearing**	**0**	**6**	**Soil**			20		**40**
2023	**All**	**Grading/ Excavation**	**0**	**91**	**Soil**			**20**		**75**

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Equipment - Number of Individual Equipment Pieces Operating for Various Construction Phases

	No. of Equipment	
Equipment	Grubbing/ Clearing Phase	Grading/ Excavating
Aerial Lifts	0	0
Air Compressors	0	0
Bore/Drill Rigs	0	0
Cement and Mortar Mixers	0	0
Concrete/Industrial Saws	0	0
Cranes	0	0
Crawler Tractors	0	0
Crushing/Proc. Equipment	0	0
Excavators	3	2
Forklifts	0	0
Generator Sets	0	1
Graders	0	1
Off-Highway Tractors	0	0
Off-Highway Trucks	0	0
Other Construction Equipment	0	2
Other General Industrial Equipment	0	0
Other Material Handling Equipment	0	0
Pavers	0	0
Paving Equipment	0	0
Plate Compactors	0	0
Pressure Washers	0	0
Pumps	0	0
Rollers	0	0
Rough Terrain Forklifts	0	0
Rubber Tired Dozers	0	1
Rubber Tired Loaders	0	0
Scrapers	0	0
Signal Boards	0	0
Skid Steer Loaders	0	0
Surfacing Equipment	0	0
Sweepers/Scrubbers	1	1
Tractors/Loaders/Backhoes	0	2
Trenchers	0	0
Welders	0	0

Attachment 6

RCEM Input and Output Files

For each contract, the following are attached:

- Unmitigated Input and Output
- On-Road Mitigated Output
- On-Road and Off-Road Mitigated Output

Erosion Protection
American River
Sacramento River

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	American River Erosion Contract 1	
Construction Start Year	2020	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	3.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	2.40	miles
Total Project Area	29.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	167.00
	Grading/Excavation	15.00	1914.00	2045.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.33	4/5/2022	1/1/2020
Grading/Excavation	3.00	1.49	4/15/2022	1/11/2020
Drainage/Utilities/Sub-Grade	0.00	0.99		4/12/2020
Paving	0.00	0.50		4/12/2020
Totals (Months)		3		

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	28.00			12	336.00
Miles/round trip: Grading/Excavation	61.00			264	16104.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.07	0.32	2.39	0.08	0.04	0.01	1,182.70	0.00	0.04	1,194.73
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	3.90	0.00	0.00	3.94
Pounds per day - Grading/Excavation	3.47	15.24	114.76	3.99	1.75	0.54	56,684.93	0.16	1.92	57,261.75
Tons per const. Period - Grading/Excavation	0.11	0.50	3.79	0.13	0.06	0.02	1,870.60	0.01	0.06	1,889.64
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.11	0.50	3.79	0.13	0.06	0.02	1,874.51	0.01	0.06	1,893.58

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	40		80	1,600.00
No. of employees: Grading/Excavatio	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Grading/Excavation (grams/mile	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Grading/Excavation (grams/trip	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.21	3.60	0.35	0.16	0.07	0.01	1,242.58	0.03	0.01	1,247.58
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	4.10	0.00	0.00	4.12
Pounds per day - Grading/Excavation	0.40	6.75	0.66	0.31	0.13	0.02	2,329.85	0.05	0.03	2,339.21
Tons per const. Period - Grading/Excavation	0.01	0.22	0.02	0.01	0.00	0.00	76.88	0.00	0.00	77.19
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.01	0.23	0.02	0.01	0.00	0.00	80.99	0.00	0.00	81.31

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade	0				0.00
Paving	0				0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.29	0.01	0.00	0.00	140.80	0.00	0.00	142.23
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.47
Pounds per day - Grading/Excavation	0.01	0.04	0.29	0.01	0.00	0.00	140.80	0.00	0.00	142.23
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	4.65	0.00	0.00	4.69
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.01	0.00	0.00	0.00	5.11	0.00	0.00	5.16

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing	5.00		50.00	0.17	10.40	0.03
Fugitive Dust - Grading/Excavation	0.50		5.00	0.17	1.04	0.03
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.57	25.19	13.75	0.66	0.61	0.04	3,868.79	1.25	0.04	3,910.51
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.41	4.59	3.66	0.18	0.18	0.01	778.79	0.04	0.01	781.46
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grubbing/Land Clearing	pounds per day	2.65	34.43	22.36	1.10	1.04	0.06	5,325.16	1.43	0.05	5,374.74
Grubbing/Land Clearing	tons per phase	0.01	0.11	0.07	0.00	0.00	0.00	17.57	0.00	0.00	17.74

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Cranes	0.91	4.63	10.23	0.42	0.39	0.01	1,366.84	0.44	0.01	1,381.57
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Excavators	0.52	8.40	4.58	0.22	0.20	0.01	1,289.60	0.42	0.01	1,303.50
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.41	4.59	3.66	0.18	0.18	0.01	778.79	0.04	0.01	781.46
2.00			Model Default Tie	Graders	1.39	11.05	13.05	0.73	0.67	0.02	1,514.01	0.49	0.01	1,530.28
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Off-Highway Trucks	1.31	8.36	9.98	0.36	0.33	0.03	3,181.56	1.03	0.03	3,215.81
1.00			Model Default Tie	Other Construction Equipment	0.47	5.03	4.77	0.25	0.23	0.01	747.91	0.24	0.01	755.99
2.00			Model Default Tie	Other General Industrial Equipmen	0.45	4.84	4.22	0.26	0.24	0.01	620.05	0.20	0.01	626.74
1.00			Model Default Tie	Other Material Handling Equipmen	0.33	4.68	2.79	0.15	0.14	0.01	695.43	0.22	0.01	702.93
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Rubber Tired Dozers	2.14	17.52	21.62	0.99	0.91	0.02	2,155.67	0.70	0.02	2,178.82
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
3.00			Model Default Tie	Skid Steer Loaders	0.26	5.20	3.48	0.13	0.12	0.01	751.47	0.24	0.01	759.57
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tie	Tractors/Loaders/Backhoes	0.42	5.65	4.23	0.23	0.21	0.01	760.86	0.25	0.01	769.05
2.00			Model Default Tie	Trenchers	0.94	6.75	8.77	0.62	0.57	0.01	848.81	0.27	0.01	857.95
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	10.23	91.34	96.35	4.80	4.44	0.16	15,388.57	4.68	0.14	15,546.45
	Grading/Excavation	tons per phase	0.34	3.01	3.18	0.16	0.15	0.01	507.82	0.15	0.00	513.03

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Drainage/Utilities/Sub-Grade	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.35	3.13	3.25	0.16	0.15	0.01	525.40	0.16	0.00	530.77

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 1

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.95	38.39	25.39	51.36	1.36	50.00	11.55	1.15	10.40	0.08	7,891.24	1.46	0.11	7,959.28
Grading/Excavation	14.11	113.36	212.05	14.11	9.11	5.00	7.37	6.33	1.04	0.73	74,544.15	4.89	2.09	75,289.65
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	14.11	113.36	212.05	51.36	9.11	50.00	11.55	6.33	10.40	0.73	74,544.15	4.89	2.09	75,289.65
Total (tons/construction project)	0.48	3.87	7.08	0.64	0.31	0.33	0.28	0.21	0.07	0.02	2,486.00	0.17	0.07	2,510.82

Notes:

Project Start Year ->	2020
Project Length (months) ->	3
Total Project Area (acres) ->	29
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	167	0	336	0	1,600	40
Grading/Excavation	3,959	0	16,104	0	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 1

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.13	0.08	0.17	0.00	0.17	0.04	0.00	0.03	0.00	26.04	0.00	0.00	23.83
Grading/Excavation	0.47	3.74	7.00	0.47	0.30	0.17	0.24	0.21	0.03	0.02	2,459.96	0.16	0.07	2,253.98
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.47	3.74	7.00	0.47	0.30	0.17	0.24	0.21	0.03	0.02	2459.96	0.16	0.07	2,253.98
Total (tons/construction project)	0.48	3.87	7.08	0.64	0.31	0.33	0.28	0.21	0.07	0.02	2486.00	0.17	0.07	2,277.80

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 1

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.92	38.34	23.86	51.35	1.35	50.00	11.54	1.14	10.40	0.08	7,851.53	1.45	0.10	7,918.76
Grading/Excavation	13.01	111.32	146.49	13.77	8.77	5.00	7.04	6.00	1.04	0.71	72,839.33	4.84	1.98	73,549.71
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.01	111.32	146.49	51.35	8.77	50.00	11.54	6.00	10.40	0.71	72,839.33	4.84	1.98	73,549.71
Total (tons/construction project)	0.44	3.80	4.91	0.62	0.29	0.33	0.27	0.20	0.07	0.02	2,429.61	0.16	0.07	2,453.27

Notes:

Project Start Year ->	2020
Project Length (months) ->	3
Total Project Area (acres) ->	29
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	167	0	336	0	1,600	40
Grading/Excavation	3,959	0	16,104	0	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 1

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.13	0.08	0.17	0.00	0.17	0.04	0.00	0.03	0.00	25.91	0.00	0.00	23.71
Grading/Excavation	0.43	3.67	4.83	0.45	0.29	0.17	0.23	0.20	0.03	0.02	2,403.70	0.16	0.07	2,201.89
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.43	3.67	4.83	0.45	0.29	0.17	0.23	0.20	0.03	0.02	2403.70	0.16	0.07	2,201.89
Total (tons/construction project)	0.44	3.80	4.91	0.62	0.29	0.33	0.27	0.20	0.07	0.02	2429.61	0.16	0.07	2,225.59

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 1

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.02	45.60	9.99	50.60	0.60	50.00	10.83	0.43	10.40	0.08	7,851.53	1.45	0.10	7,918.76
Grading/Excavation	7.75	120.95	69.78	9.64	4.64	5.00	3.22	2.18	1.04	0.71	72,839.33	4.84	1.98	73,549.71
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	7.75	120.95	69.78	50.60	4.64	50.00	10.83	2.18	10.40	0.71	72,839.33	4.84	1.98	73,549.71
Total (tons/construction project)	0.26	4.14	2.34	0.49	0.16	0.33	0.14	0.07	0.07	0.02	2,429.61	0.16	0.07	2,453.27

Notes:

Project Start Year ->	2020
Project Length (months) ->	3
Total Project Area (acres) ->	29
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	167	0	336	0	1,600	40
Grading/Excavation	3,959	0	16,104	0	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 1

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.15	0.03	0.17	0.00	0.17	0.04	0.00	0.03	0.00	25.91	0.00	0.00	23.71
Grading/Excavation	0.26	3.99	2.30	0.32	0.15	0.17	0.11	0.07	0.03	0.02	2,403.70	0.16	0.07	2,201.89
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.26	3.99	2.30	0.32	0.15	0.17	0.11	0.07	0.03	0.02	2403.70	0.16	0.07	2,201.89
Total (tons/construction project)	0.26	4.14	2.34	0.49	0.16	0.33	0.14	0.07	0.07	0.02	2429.61	0.16	0.07	2,225.59

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	American River Erosion Contract 2	
Construction Start Year	2021	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	3.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	6.10	miles
Total Project Area	74.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	182.00
	Grading/Excavation	15.00	10642.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.33	4/5/2021	1/1/2021
Grading/Excavation	3.00	1.49	4/15/2021	1/11/2021
Drainage/Utilities/Sub-Grade	0.00	0.99		4/13/2021
Paving	0.00	0.50		4/13/2021
Totals (Months)	3			

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	28.00			13	364.00
Miles/round trip: Grading/Excavation	85.00			710	60350.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.08	0.35	2.93	0.09	0.04	0.01	1,295.61	0.00	0.04	1,308.79
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	4.28	0.00	0.00	4.32
Pounds per day - Grading/Excavation	13.52	57.57	485.00	15.26	6.88	2.05	214,807.51	0.63	7.28	216,993.03
Tons per const. Period - Grading/Excavation	0.45	1.90	16.01	0.50	0.23	0.07	7,088.65	0.02	0.24	7,160.77
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.45	1.90	16.01	0.50	0.23	0.07	7,092.92	0.02	0.24	7,165.09

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	40		80	1,600.00
No. of employees: Grading/Excavatio	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Grading/Excavation (grams/mile	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Grading/Excavation (grams/trip	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.23	3.90	0.39	0.17	0.07	0.01	1,284.42	0.03	0.02	1,289.97
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	4.24	0.00	0.00	4.26
Pounds per day - Grading/Excavation	0.43	7.30	0.73	0.31	0.13	0.02	2,408.28	0.05	0.03	2,418.68
Tons per const. Period - Grading/Excavation	0.01	0.24	0.02	0.01	0.00	0.00	79.47	0.00	0.00	79.82
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.02	0.25	0.03	0.01	0.00	0.00	83.71	0.00	0.00	84.07

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	5		40.00		200.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.32	0.01	0.00	0.00	142.37	0.00	0.00	143.82
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.47
Pounds per day - Grading/Excavation	0.04	0.19	1.61	0.05	0.02	0.01	711.87	0.00	0.02	719.12
Tons per const. Period - Grading/Excavation	0.00	0.01	0.05	0.00	0.00	0.00	23.49	0.00	0.00	23.73
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.01	0.05	0.00	0.00	0.00	23.96	0.00	0.00	24.21

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing	5.00		50.00	0.17	10.40	0.03
Fugitive Dust - Grading/Excavation	2.50		25.00	0.83	5.20	0.17
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.77	25.32	16.66	0.81	0.74	0.04	3,870.16	1.25	0.04	3,911.89
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.45	4.61	3.96	0.21	0.21	0.01	778.79	0.04	0.01	781.53
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.29	2.44	2.57	0.19	0.17	0.00	307.72	0.10	0.00	311.03
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grubbing/Land Clearing	pounds per day	2.94	34.62	25.89	1.31	1.23	0.06	5,326.53	1.43	0.05	5,376.19
Grubbing/Land Clearing	tons per phase	0.01	0.11	0.09	0.00	0.00	0.00	17.58	0.00	0.00	17.74

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Cranes	3.03	14.55	35.58	1.44	1.33	0.04	4,099.84	1.33	0.04	4,144.02
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.77	25.32	16.66	0.81	0.74	0.04	3,870.16	1.25	0.04	3,911.89
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tie	Generator Sets	1.34	13.82	11.87	0.63	0.63	0.02	2,336.38	0.12	0.02	2,344.60
4.00			Model Default Tie	Graders	3.20	22.52	30.62	1.71	1.57	0.03	3,027.78	0.98	0.03	3,060.33
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Off-Highway Trucks	4.52	26.90	39.28	1.44	1.32	0.10	9,541.22	3.09	0.09	9,643.99
1.00			Model Default Tie	Other Construction Equipment	0.52	5.07	5.48	0.29	0.26	0.01	748.16	0.24	0.01	756.23
2.00			Model Default Tie	Other General Industrial Equipmen	0.53	4.93	4.90	0.34	0.31	0.01	620.05	0.20	0.01	626.74
1.00			Model Default Tie	Other Material Handling Equipmen	0.37	4.71	3.31	0.17	0.15	0.01	695.43	0.22	0.01	702.93
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Rubber Tired Dozers	6.64	54.52	68.55	3.13	2.88	0.07	6,462.63	2.09	0.06	6,532.07
4.00			Model Default Tie	Rubber Tired Loaders	1.69	7.88	19.03	0.63	0.58	0.03	2,981.41	0.96	0.03	3,013.61
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
3.00			Model Default Tie	Skid Steer Loaders	0.28	5.21	3.76	0.15	0.14	0.01	750.74	0.24	0.01	758.84
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.29	2.44	2.57	0.19	0.17	0.00	307.72	0.10	0.00	311.03
3.00			Model Default Tie	Tractors/Loaders/Backhoes	0.71	8.56	7.18	0.42	0.39	0.01	1,140.01	0.37	0.01	1,152.28
2.00			Model Default Tie	Trenchers	0.99	6.77	9.12	0.66	0.61	0.01	848.74	0.27	0.01	857.88
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	26.32	205.45	260.62	12.12	11.21	0.39	37,800.14	11.51	0.34	38,188.17
	Grading/Excavation	tons per phase	0.87	6.78	8.60	0.40	0.37	0.01	1,247.40	0.38	0.01	1,260.21

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.88	6.89	8.69	0.40	0.37	0.01	1,264.98	0.38	0.01	1,277.95

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	3.26	38.90	29.52	51.58	1.58	50.00	11.75	1.35	10.40	0.08	8,048.93	1.46	0.11	8,118.77
Grading/Excavation	40.31	270.51	747.96	52.74	27.74	25.00	23.44	18.24	5.20	2.47	255,727.80	12.19	7.67	258,319.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	40.31	270.51	747.96	52.74	27.74	50.00	23.44	18.24	10.40	2.47	255,727.80	12.19	7.67	258,319.01
Total (tons/construction project)	1.34	9.06	24.78	1.91	0.92	0.99	0.81	0.61	0.21	0.08	8,465.58	0.41	0.25	8,551.32

Notes:

Project Start Year ->	2021
Project Length (months) ->	3
Total Project Area (acres) ->	74
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	182	0	364	0	1,600	40
Grading/Excavation	10,642	0	60,350	0	3,000	200
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.13	0.10	0.17	0.01	0.17	0.04	0.00	0.03	0.00	26.56	0.00	0.00	24.31
Grading/Excavation	1.33	8.93	24.68	1.74	0.92	0.83	0.77	0.60	0.17	0.08	8,439.02	0.40	0.25	7,733.40
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.33	8.93	24.68	1.74	0.92	0.83	0.77	0.60	0.17	0.08	8439.02	0.40	0.25	7,733.40
Total (tons/construction project)	1.34	9.06	24.78	1.91	0.92	0.99	0.81	0.61	0.21	0.08	8465.58	0.41	0.25	7,757.71

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	3.23	38.84	27.55	51.57	1.57	50.00	11.74	1.34	10.40	0.08	8,000.00	1.46	0.11	8,068.90
Grading/Excavation	35.68	262.11	452.01	51.14	26.14	25.00	21.90	16.70	5.20	2.40	248,395.07	11.98	7.22	250,844.82
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	35.68	262.11	452.01	51.57	26.14	50.00	21.90	16.70	10.40	2.40	248,395.07	11.98	7.22	250,844.82
Total (tons/construction project)	1.19	8.78	15.01	1.86	0.87	0.99	0.76	0.56	0.21	0.08	8,223.44	0.40	0.24	8,304.51

Notes:

Project Start Year ->	2021
Project Length (months) ->	3
Total Project Area (acres) ->	74
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	182	0	364	0	1,600	40
Grading/Excavation	10,642	0	60,350	0	3,000	200
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.13	0.09	0.17	0.01	0.17	0.04	0.00	0.03	0.00	26.40	0.00	0.00	24.16
Grading/Excavation	1.18	8.65	14.92	1.69	0.86	0.83	0.72	0.55	0.17	0.08	8,197.04	0.40	0.24	7,509.64
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.18	8.65	14.92	1.69	0.86	0.83	0.72	0.55	0.17	0.08	8197.04	0.40	0.24	7,509.64
Total (tons/construction project)	1.19	8.78	15.01	1.86	0.87	0.99	0.76	0.56	0.21	0.08	8223.44	0.40	0.24	7,533.80

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.04	45.92	10.15	50.61	0.61	50.00	10.83	0.43	10.40	0.08	8,000.00	1.46	0.11	8,068.90
Grading/Excavation	21.34	288.94	225.04	40.39	15.39	25.00	11.96	6.76	5.20	2.40	248,395.07	11.98	7.22	250,844.82
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	21.34	288.94	225.04	50.61	15.39	50.00	11.96	6.76	10.40	2.40	248,395.07	11.98	7.22	250,844.82
Total (tons/construction project)	0.71	9.69	7.46	1.50	0.51	0.99	0.43	0.22	0.21	0.08	8,223.44	0.40	0.24	8,304.51

Notes:

Project Start Year ->	2021
Project Length (months) ->	3
Total Project Area (acres) ->	74
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	182	0	364	0	1,600	40
Grading/Excavation	10,642	0	60,350	0	3,000	200
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.15	0.03	0.17	0.00	0.17	0.04	0.00	0.03	0.00	26.40	0.00	0.00	24.16
Grading/Excavation	0.70	9.54	7.43	1.33	0.51	0.83	0.39	0.22	0.17	0.08	8,197.04	0.40	0.24	7,509.64
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.70	9.54	7.43	1.33	0.51	0.83	0.39	0.22	0.17	0.08	8197.04	0.40	0.24	7,509.64
Total (tons/construction project)	0.71	9.69	7.46	1.50	0.51	0.99	0.43	0.22	0.21	0.08	8223.44	0.40	0.24	7,533.80

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	American River Erosion Contract 2	
Construction Start Year	2022	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	3.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	6.10	miles
Total Project Area	74.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	182.00
	Grading/Excavation	15.00	10642.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.33	4/5/2022	1/1/2022
Grading/Excavation	3.00	1.49	4/15/2022	1/11/2022
Drainage/Utilities/Sub-Grade	0.00	0.99		4/13/2022
Paving	0.00	0.50		4/13/2022
Totals (Months)		3		

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	28.00			13	364.00
Miles/round trip: Grading/Excavation	85.00			710	60350.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.08	0.34	2.59	0.09	0.04	0.01	1,281.25	0.00	0.04	1,294.29
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	4.23	0.00	0.00	4.27
Pounds per day - Grading/Excavation	13.02	57.10	430.07	14.94	6.57	2.03	212,427.69	0.60	7.20	214,589.35
Tons per const. Period - Grading/Excavation	0.43	1.88	14.19	0.49	0.22	0.07	7,010.11	0.02	0.24	7,081.45
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.43	1.89	14.20	0.49	0.22	0.07	7,014.34	0.02	0.24	7,085.72

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	40		80	1,600.00
No. of employees: Grading/Excavatio	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Grading/Excavation (grams/mile	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Grading/Excavation (grams/trip	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.21	3.60	0.35	0.16	0.07	0.01	1,242.58	0.03	0.01	1,247.58
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	4.10	0.00	0.00	4.12
Pounds per day - Grading/Excavation	0.40	6.75	0.66	0.31	0.13	0.02	2,329.85	0.05	0.03	2,339.21
Tons per const. Period - Grading/Excavation	0.01	0.22	0.02	0.01	0.00	0.00	76.88	0.00	0.00	77.19
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.01	0.23	0.02	0.01	0.00	0.00	80.99	0.00	0.00	81.31

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	5		40.00		200.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.29	0.01	0.00	0.00	140.80	0.00	0.00	142.23
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.47
Pounds per day - Grading/Excavation	0.04	0.19	1.43	0.05	0.02	0.01	703.99	0.00	0.02	711.15
Tons per const. Period - Grading/Excavation	0.00	0.01	0.05	0.00	0.00	0.00	23.23	0.00	0.00	23.47
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.01	0.05	0.00	0.00	0.00	23.70	0.00	0.00	23.94

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing	5.00		50.00	0.17	10.40	0.03
Fugitive Dust - Grading/Excavation	2.50		25.00	0.83	5.20	0.17
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.57	25.19	13.75	0.66	0.61	0.04	3,868.79	1.25	0.04	3,910.51
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.41	4.59	3.66	0.18	0.18	0.01	778.79	0.04	0.01	781.46
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		2.65	34.43	22.36	1.10	1.04	0.06	5,325.16	1.43	0.05	5,374.74
	Grubbing/Land Clearing	tons per phase		0.01	0.11	0.07	0.00	0.00	0.00	17.57	0.00	0.00	17.74

Grading/Excavation	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Cranes	2.74	13.89	30.70	1.27	1.17	0.04	4,100.51	1.33	0.04	4,144.71
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.57	25.19	13.75	0.66	0.61	0.04	3,868.79	1.25	0.04	3,910.51
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tie	Generator Sets	1.24	13.78	10.98	0.55	0.55	0.02	2,336.38	0.11	0.02	2,344.39
4.00			Model Default Tie	Graders	2.79	22.10	26.10	1.45	1.33	0.03	3,028.02	0.98	0.03	3,060.56
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Off-Highway Trucks	3.94	25.07	29.95	1.09	1.00	0.10	9,544.67	3.09	0.09	9,647.44
1.00			Model Default Tie	Other Construction Equipment	0.47	5.03	4.77	0.25	0.23	0.01	747.91	0.24	0.01	755.99
2.00			Model Default Tie	Other General Industrial Equipmen	0.45	4.84	4.22	0.26	0.24	0.01	620.05	0.20	0.01	626.74
1.00			Model Default Tie	Other Material Handling Equipmen	0.33	4.68	2.79	0.15	0.14	0.01	695.43	0.22	0.01	702.93
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Rubber Tired Dozers	6.41	52.55	64.87	2.97	2.73	0.07	6,467.00	2.09	0.06	6,536.47
4.00			Model Default Tie	Rubber Tired Loaders	1.44	7.54	14.90	0.50	0.46	0.03	2,983.57	0.97	0.03	3,015.78
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
3.00			Model Default Tie	Skid Steer Loaders	0.26	5.20	3.48	0.13	0.12	0.01	751.47	0.24	0.01	759.57
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
3.00			Model Default Tie	Tractors/Loaders/Backhoes	0.62	8.48	6.35	0.34	0.31	0.01	1,141.29	0.37	0.01	1,153.57
2.00			Model Default Tie	Trenchers	0.94	6.75	8.77	0.62	0.57	0.01	848.81	0.27	0.01	857.95
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	23.86	199.74	226.59	10.51	9.72	0.39	37,811.49	11.50	0.34	38,199.39
	Grading/Excavation	tons per phase	0.79	6.59	7.48	0.35	0.32	0.01	1,247.78	0.38	0.01	1,260.58

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Drainage/Utilities/Sub-Grade	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.80	6.71	7.55	0.35	0.32	0.01	1,265.35	0.38	0.01	1,278.32

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 2				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	2.95	38.42	25.59	51.37	1.37	50.00	11.55	1.15	10.40	0.08	7,989.79	1.46	0.11	8,058.84
Grading/Excavation	37.32	263.77	658.74	50.81	25.81	25.00	21.64	16.44	5.20	2.45	253,273.02	12.16	7.59	255,839.10
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	37.32	263.77	658.74	51.37	25.81	50.00	21.64	16.44	10.40	2.45	253,273.02	12.16	7.59	255,839.10
Total (tons/construction project)	1.24	8.83	21.82	1.85	0.86	0.99	0.75	0.55	0.21	0.08	8,384.38	0.41	0.25	8,469.28

Notes:

Project Start Year ->	2022
Project Length (months) ->	3
Total Project Area (acres) ->	74
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	182	0	364	0	1,600	40
Grading/Excavation	10,642	0	60,350	0	3,000	200
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 2				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.01	0.13	0.08	0.17	0.00	0.17	0.04	0.00	0.03	0.00	26.37	0.00	0.00	24.13
Grading/Excavation	1.23	8.70	21.74	1.68	0.85	0.83	0.71	0.54	0.17	0.08	8,358.01	0.40	0.25	7,659.16
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.23	8.70	21.74	1.68	0.85	0.83	0.71	0.54	0.17	0.08	8358.01	0.40	0.25	7,659.16
Total (tons/construction project)	1.24	8.83	21.82	1.85	0.86	0.99	0.75	0.55	0.21	0.08	8384.38	0.41	0.25	7,683.28

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.92	38.37	23.95	51.36	1.36	50.00	11.54	1.14	10.40	0.08	7,947.13	1.45	0.11	8,015.30
Grading/Excavation	33.18	256.11	412.83	49.52	24.52	25.00	20.40	15.20	5.20	2.39	246,878.91	11.97	7.17	249,313.26
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	33.18	256.11	412.83	51.36	24.52	50.00	20.40	15.20	10.40	2.39	246,878.91	11.97	7.17	249,313.26
Total (tons/construction project)	1.10	8.58	13.70	1.80	0.81	0.99	0.71	0.51	0.21	0.08	8,173.23	0.40	0.24	8,253.79

Notes:

Project Start Year ->	2022
Project Length (months) ->	3
Total Project Area (acres) ->	74
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	182	0	364	0	1,600	40
Grading/Excavation	10,642	0	60,350	0	3,000	200
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.13	0.08	0.17	0.00	0.17	0.04	0.00	0.03	0.00	26.23	0.00	0.00	24.00
Grading/Excavation	1.09	8.45	13.62	1.63	0.81	0.83	0.67	0.50	0.17	0.08	8,147.00	0.39	0.24	7,463.79
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.09	8.45	13.62	1.63	0.81	0.83	0.67	0.50	0.17	0.08	8147.00	0.39	0.24	7,463.79
Total (tons/construction project)	1.10	8.58	13.70	1.80	0.81	0.99	0.71	0.51	0.21	0.08	8173.23	0.40	0.24	7,487.79

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> American River Erosion Contract 2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.02	45.62	10.08	50.61	0.61	50.00	10.83	0.43	10.40	0.08	7,947.13	1.45	0.11	8,015.30
Grading/Excavation	21.29	288.65	219.89	40.39	15.39	25.00	11.95	6.75	5.20	2.39	246,878.91	11.97	7.17	249,313.26
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	21.29	288.65	219.89	50.61	15.39	50.00	11.95	6.75	10.40	2.39	246,878.91	11.97	7.17	249,313.26
Total (tons/construction project)	0.71	9.68	7.29	1.50	0.51	0.99	0.43	0.22	0.21	0.08	8,173.23	0.40	0.24	8,253.79

Notes:

Project Start Year ->	2022
Project Length (months) ->	3
Total Project Area (acres) ->	74
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	182	0	364	0	1,600	40
Grading/Excavation	10,642	0	60,350	0	3,000	200
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> American River Erosion Contract 2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.15	0.03	0.17	0.00	0.17	0.04	0.00	0.03	0.00	26.23	0.00	0.00	24.00
Grading/Excavation	0.70	9.53	7.26	1.33	0.51	0.83	0.39	0.22	0.17	0.08	8,147.00	0.39	0.24	7,463.79
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.70	9.53	7.26	1.33	0.51	0.83	0.39	0.22	0.17	0.08	8147.00	0.39	0.24	7,463.79
Total (tons/construction project)	0.71	9.68	7.29	1.50	0.51	0.99	0.43	0.22	0.21	0.08	8173.23	0.40	0.24	7,487.79

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2020_SRErosion_Contract1	
Construction Start Year	2020	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	4.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.22	miles
Total Project Area	2.00	acres
Maximum Area Disturbed/Day	2.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	14.00
	Grading/Excavation	15.00	13.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.43	8/1/2020	1/1/2020
Grading/Excavation	4.00	1.72	8/11/2020	1/11/2020
Drainage/Utilities/Sub-Grade	0.00	1.51		5/12/2020
Paving	0.00	0.65		5/12/2020
Totals (Months)		4		

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	40.00			1	40.00
Miles/round trip: Grading/Excavation	10.00			1	10.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Grading/Excavation (grams/mile	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.36	0.01	0.00	0.00	143.89	0.00	0.00	145.36
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.48
Pounds per day - Grading/Excavation	0.00	0.01	0.09	0.00	0.00	0.00	35.97	0.00	0.00	36.34
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	1.60
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	2.06	0.00	0.00	2.08

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Grading/Excavation (grams/mile	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	25		50	1,000.00
No. of employees: Grading/Excavatio	40		80	1,600.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	1.08	0.11	0.05	0.02	0.00	371.46	0.01	0.00	373.08
Grading/Excavation (grams/mile	0.02	1.08	0.11	0.05	0.02	0.00	371.46	0.01	0.00	373.08
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	1.00	2.55	0.20	0.00	0.00	0.00	84.03	0.01	0.01	86.84
Grading/Excavation (grams/trip	1.00	2.55	0.20	0.00	0.00	0.00	84.03	0.01	0.01	86.84
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.16	2.65	0.27	0.10	0.04	0.01	828.20	0.02	0.01	832.07
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	2.73	0.00	0.00	2.75
Pounds per day - Grading/Excavation	0.25	4.25	0.44	0.17	0.07	0.01	1,325.12	0.03	0.02	1,331.31
Tons per const. Period - Grading/Excavation	0.01	0.19	0.02	0.01	0.00	0.00	58.31	0.00	0.00	58.58
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.01	0.20	0.02	0.01	0.00	0.00	61.04	0.00	0.00	61.32

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Grading/Excavation (grams/mile	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.36	0.01	0.00	0.00	143.89	0.00	0.00	145.36
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.48
Pounds per day - Grading/Excavation	0.01	0.04	0.36	0.01	0.00	0.00	143.89	0.00	0.00	145.36
Tons per const. Period - Grading/Excavation	0.00	0.00	0.02	0.00	0.00	0.00	6.33	0.00	0.00	6.40
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.02	0.00	0.00	0.00	6.81	0.00	0.00	6.88

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing	2.00		20.00	0.07	4.16	0.01
Fugitive Dust - Grading/Excavation	0.50		5.00	0.22	1.04	0.05
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.52	20.23	14.93	0.72	0.67	0.03	3,095.67	1.00	0.03	3,129.04
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.40	3.71	3.48	0.20	0.20	0.01	623.04	0.04	0.00	625.31
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.27	1.99	2.33	0.19	0.17	0.00	246.18	0.08	0.00	248.83
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		2.53	27.73	22.90	1.19	1.12	0.05	4,260.77	1.15	0.04	4,300.57
	Grubbing/Land Clearing	tons per phase		0.01	0.09	0.08	0.00	0.00	0.00	14.06	0.00	0.00	14.19

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Cranes	0.89	4.14	10.55	0.43	0.40	0.01	1,093.39	0.35	0.01	1,105.18
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Excavators	0.51	6.74	4.98	0.24	0.22	0.01	1,031.89	0.33	0.01	1,043.01
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.40	3.71	3.48	0.20	0.20	0.01	623.04	0.04	0.00	625.31
2.00			Model Default Tie	Graders	1.43	9.16	14.00	0.78	0.72	0.01	1,209.88	0.39	0.01	1,222.88
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Off-Highway Trucks	1.32	7.58	12.58	0.46	0.42	0.03	2,544.52	0.82	0.02	2,571.93
1.00			Model Default Tie	Other Construction Equipment	0.49	4.12	5.24	0.28	0.25	0.01	598.80	0.19	0.01	605.27
2.00			Model Default Tie	Other General Industrial Equipmen	0.47	3.98	4.29	0.31	0.29	0.01	496.04	0.16	0.00	501.39
1.00			Model Default Tie	Other Material Handling Equipmen	0.30	3.74	2.79	0.14	0.13	0.01	556.35	0.18	0.01	562.34
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Rubber Tired Dozers	1.92	15.87	20.30	0.93	0.86	0.02	1,726.14	0.56	0.02	1,744.68
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
3.00			Model Default Tie	Skid Steer Loaders	0.24	4.17	3.19	0.14	0.13	0.01	600.51	0.19	0.01	606.98
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.27	1.99	2.33	0.19	0.17	0.00	246.18	0.08	0.00	248.83
2.00			Model Default Tie	Tractors/Loaders/Backhoes	0.42	4.61	4.25	0.27	0.25	0.01	607.74	0.20	0.01	614.28
2.00			Model Default Tie	Trenchers	0.87	5.48	7.89	0.59	0.54	0.01	678.76	0.22	0.01	686.07
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	9.88	77.09	98.00	5.04	4.66	0.13	12,309.11	3.75	0.11	12,435.55
	Grading/Excavation	tons per phase	0.43	3.39	4.31	0.22	0.20	0.01	541.60	0.16	0.00	547.16

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*			Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier		Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.44	3.48	4.39	0.23	0.21	0.01	555.66	0.17	0.00	561.36

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2020_SRErosion_Contract1

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.70	30.46	23.90	21.31	1.31	20.00	5.33	1.17	4.16	0.06	5,376.75	1.17	0.06	5,423.35
Grading/Excavation	10.14	81.38	98.89	10.22	5.22	5.00	5.77	4.73	1.04	0.14	13,814.10	3.78	0.13	13,948.56
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	10.14	81.38	98.89	21.31	5.22	20.00	5.77	4.73	4.16	0.14	13,814.10	3.78	0.13	13,948.56
Total (tons/construction project)	0.46	3.68	4.43	0.52	0.23	0.29	0.27	0.21	0.06	0.01	625.56	0.17	0.01	631.63

Notes:

Project Start Year ->	2020
Project Length (months) ->	4
Total Project Area (acres) ->	2
Maximum Area Disturbed/Day (acres) ->	2
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	14	0	40	0	1,000	40
Grading/Excavation	13	0	10	0	1,600	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2020_SRErosion_Contract1

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.08	0.07	0.00	0.07	0.02	0.00	0.01	0.00	17.74	0.00	0.00	16.24
Grading/Excavation	0.45	3.58	4.35	0.45	0.23	0.22	0.25	0.21	0.05	0.01	607.82	0.17	0.01	556.78
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.45	3.58	4.35	0.45	0.23	0.22	0.25	0.21	0.05	0.01	607.82	0.17	0.01	556.78
Total (tons/construction project)	0.46	3.68	4.43	0.52	0.23	0.29	0.27	0.21	0.06	0.01	625.56	0.17	0.01	573.01

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2020_SRErosion_Contract1

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.70	30.44	23.43	21.31	1.31	20.00	5.33	1.17	4.16	0.06	5,366.10	1.17	0.06	5,412.50
Grading/Excavation	10.14	81.37	98.60	10.22	5.22	5.00	5.77	4.73	1.04	0.14	13,807.44	3.78	0.13	13,941.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	10.14	81.37	98.60	21.31	5.22	20.00	5.77	4.73	4.16	0.14	13,807.44	3.78	0.13	13,941.77
Total (tons/construction project)	0.45	3.68	4.42	0.52	0.23	0.29	0.27	0.21	0.06	0.01	625.24	0.17	0.01	631.30

Notes:

Project Start Year ->	2020
Project Length (months) ->	4
Total Project Area (acres) ->	2
Maximum Area Disturbed/Day (acres) ->	2
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	14	0	40	0	1,000	40
Grading/Excavation	13	0	10	0	1,600	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2020_SRErosion_Contract1

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.08	0.07	0.00	0.07	0.02	0.00	0.01	0.00	17.71	0.00	0.00	16.20
Grading/Excavation	0.45	3.58	4.34	0.45	0.23	0.22	0.25	0.21	0.05	0.01	607.53	0.17	0.01	556.51
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.45	3.58	4.34	0.45	0.23	0.22	0.25	0.21	0.05	0.01	607.53	0.17	0.01	556.51
Total (tons/construction project)	0.45	3.68	4.42	0.52	0.23	0.29	0.27	0.21	0.06	0.01	625.24	0.17	0.01	572.71

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2020_SRErosion_Contract1

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.57	36.07	7.32	20.40	0.40	20.00	4.47	0.31	4.16	0.06	5,366.10	1.17	0.06	5,412.50
Grading/Excavation	4.24	85.06	16.31	5.72	0.72	5.00	1.61	0.57	1.04	0.14	13,807.44	3.78	0.13	13,941.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	4.24	85.06	16.31	20.40	0.72	20.00	4.47	0.57	4.16	0.14	13,807.44	3.78	0.13	13,941.77
Total (tons/construction project)	0.19	3.86	0.74	0.32	0.03	0.29	0.09	0.03	0.06	0.01	625.24	0.17	0.01	631.30

Notes:

Project Start Year ->	2020
Project Length (months) ->	4
Total Project Area (acres) ->	2
Maximum Area Disturbed/Day (acres) ->	2
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	14	0	40	0	1,000	40
Grading/Excavation	13	0	10	0	1,600	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2020_SRErosion_Contract1

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.12	0.02	0.07	0.00	0.07	0.01	0.00	0.01	0.00	17.71	0.00	0.00	16.20
Grading/Excavation	0.19	3.74	0.72	0.25	0.03	0.22	0.07	0.03	0.05	0.01	607.53	0.17	0.01	556.51
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.19	3.74	0.72	0.25	0.03	0.22	0.07	0.03	0.05	0.01	607.53	0.17	0.01	556.51
Total (tons/construction project)	0.19	3.86	0.74	0.32	0.03	0.29	0.09	0.03	0.06	0.01	625.24	0.17	0.01	572.71

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2021_SRErosion_Contract2	
Construction Start Year	2021	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	4.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	13.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	83.00
	Grading/Excavation	15.00	77.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.43	8/1/2021	1/1/2021
Grading/Excavation	4.00	1.72	8/11/2021	1/11/2021
Drainage/Utilities/Sub-Grade	0.00	1.51		5/13/2021
Paving	0.00	0.65		5/13/2021
Totals (Months)	4			

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	40.00			6	240.00
Miles/round trip: Grading/Excavation	10.00			6	60.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.05	0.23	1.93	0.06	0.03	0.01	854.25	0.00	0.03	862.94
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	2.82	0.00	0.00	2.85
Pounds per day - Grading/Excavation	0.01	0.06	0.48	0.02	0.01	0.00	213.56	0.00	0.01	215.73
Tons per const. Period - Grading/Excavation	0.00	0.00	0.02	0.00	0.00	0.00	9.40	0.00	0.00	9.49
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.03	0.00	0.00	0.00	12.22	0.00	0.00	12.34

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	25		50	1,000.00
No. of employees: Grading/Excavatio	55		110	2,200.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Grading/Excavation (grams/mile	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Grading/Excavation (grams/trip	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.14	2.43	0.24	0.10	0.04	0.01	802.76	0.02	0.01	806.23
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	2.65	0.00	0.00	2.66
Pounds per day - Grading/Excavation	0.32	5.36	0.54	0.23	0.10	0.02	1,766.07	0.04	0.02	1,773.70
Tons per const. Period - Grading/Excavation	0.01	0.24	0.02	0.01	0.00	0.00	77.71	0.00	0.00	78.04
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.01	0.24	0.02	0.01	0.00	0.00	80.36	0.00	0.00	80.70

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	4		40.00		160.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.32	0.01	0.00	0.00	142.37	0.00	0.00	143.82
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.47
Pounds per day - Grading/Excavation	0.04	0.15	1.29	0.04	0.02	0.01	569.50	0.00	0.02	575.29
Tons per const. Period - Grading/Excavation	0.00	0.01	0.06	0.00	0.00	0.00	25.06	0.00	0.00	25.31
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.01	0.06	0.00	0.00	0.00	25.53	0.00	0.00	25.79

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing	5.00		50.00	0.17	10.40	0.03
Fugitive Dust - Grading/Excavation	2.00		20.00	0.88	4.16	0.18
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.42	20.25	13.33	0.65	0.59	0.03	3,096.13	1.00	0.03	3,129.51
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.36	3.68	3.17	0.17	0.17	0.01	623.04	0.03	0.00	625.23
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.23	1.95	2.06	0.15	0.14	0.00	246.18	0.08	0.00	248.83
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grubbing/Land Clearing	pounds per day	2.35	27.69	20.71	1.05	0.99	0.05	4,261.22	1.14	0.04	4,300.96
Grubbing/Land Clearing	tons per phase	0.01	0.09	0.07	0.00	0.00	0.00	14.06	0.00	0.00	14.19

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Cranes	1.62	7.76	18.98	0.77	0.71	0.02	2,186.58	0.71	0.02	2,210.14
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Excavators	0.95	13.50	8.89	0.43	0.40	0.02	2,064.09	0.67	0.02	2,086.34
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.36	3.68	3.17	0.17	0.17	0.01	623.04	0.03	0.00	625.23
2.00			Model Default Tie	Graders	1.28	9.01	12.25	0.68	0.63	0.01	1,211.11	0.39	0.01	1,224.13
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Off-Highway Trucks	2.41	14.35	20.95	0.77	0.71	0.05	5,088.65	1.65	0.05	5,143.46
1.00			Model Default Tie	Other Construction Equipment	0.42	4.06	4.38	0.23	0.21	0.01	598.52	0.19	0.01	604.99
2.00			Model Default Tie	Other General Industrial Equipmen	0.43	3.95	3.92	0.27	0.25	0.01	496.04	0.16	0.00	501.39
1.00			Model Default Tie	Other Material Handling Equipmen	0.29	3.77	2.65	0.13	0.12	0.01	556.35	0.18	0.01	562.34
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Rubber Tired Dozers	3.54	29.08	36.56	1.67	1.54	0.04	3,446.74	1.11	0.03	3,483.77
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
4.00			Model Default Tie	Skid Steer Loaders	0.30	5.56	4.01	0.16	0.15	0.01	800.79	0.26	0.01	809.43
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.23	1.95	2.06	0.15	0.14	0.00	246.18	0.08	0.00	248.83
2.00			Model Default Tie	Tractors/Loaders/Backhoes	0.38	4.57	3.83	0.23	0.21	0.01	608.00	0.20	0.01	614.55
2.00			Model Default Tie	Trenchers	0.79	5.41	7.29	0.53	0.49	0.01	678.99	0.22	0.01	686.30
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	13.34	108.44	131.09	6.28	5.80	0.20	18,900.96	5.88	0.17	19,098.29
	Grading/Excavation	tons per phase	0.59	4.77	5.77	0.28	0.26	0.01	831.64	0.26	0.01	840.32

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.59	4.86	5.84	0.28	0.26	0.01	845.70	0.26	0.01	854.52

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.56	30.40	23.20	51.22	1.22	50.00	11.46	1.06	10.40	0.06	6,060.60	1.16	0.08	6,113.94
Grading/Excavation	13.70	114.01	133.40	26.56	6.56	20.00	10.08	5.92	4.16	0.22	21,450.10	5.92	0.22	21,663.02
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.70	114.01	133.40	51.22	6.56	50.00	11.46	5.92	10.40	0.22	21,450.10	5.92	0.22	21,663.02
Total (tons/construction project)	0.61	5.12	5.95	1.34	0.29	1.05	0.48	0.26	0.22	0.01	963.80	0.26	0.01	973.35

Notes:

Project Start Year ->	2021
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.08	0.17	0.00	0.17	0.04	0.00	0.03	0.00	20.00	0.00	0.00	18.30
Grading/Excavation	0.60	5.02	5.87	1.17	0.29	0.88	0.44	0.26	0.18	0.01	943.80	0.26	0.01	864.71
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.60	5.02	5.87	1.17	0.29	0.88	0.44	0.26	0.18	0.01	943.80	0.26	0.01	864.71
Total (tons/construction project)	0.61	5.12	5.95	1.34	0.29	1.05	0.48	0.26	0.22	0.01	963.80	0.26	0.01	883.02

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.53	30.36	21.83	51.22	1.22	50.00	11.45	1.05	10.40	0.06	6,026.69	1.16	0.08	6,079.38
Grading/Excavation	13.69	113.98	132.32	26.56	6.56	20.00	10.07	5.91	4.16	0.22	21,423.45	5.92	0.22	21,635.86
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.69	113.98	132.32	51.22	6.56	50.00	11.45	5.91	10.40	0.22	21,423.45	5.92	0.22	21,635.86
Total (tons/construction project)	0.61	5.12	5.89	1.34	0.29	1.05	0.48	0.26	0.22	0.01	962.52	0.26	0.01	972.04

Notes:

Project Start Year ->	2021
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.07	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.89	0.00	0.00	18.20
Grading/Excavation	0.60	5.02	5.82	1.17	0.29	0.88	0.44	0.26	0.18	0.01	942.63	0.26	0.01	863.63
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.60	5.02	5.82	1.17	0.29	0.88	0.44	0.26	0.18	0.01	942.63	0.26	0.01	863.63
Total (tons/construction project)	0.61	5.12	5.89	1.34	0.29	1.05	0.48	0.26	0.22	0.01	962.52	0.26	0.01	881.83

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.58	36.02	7.92	50.45	0.45	50.00	10.73	0.33	10.40	0.06	6,026.69	1.16	0.08	6,079.38
Grading/Excavation	6.43	125.27	22.39	21.03	1.03	20.00	4.97	0.81	4.16	0.22	21,423.45	5.92	0.22	21,635.86
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	6.43	125.27	22.39	50.45	1.03	50.00	10.73	0.81	10.40	0.22	21,423.45	5.92	0.22	21,635.86
Total (tons/construction project)	0.29	5.63	1.01	1.09	0.05	1.05	0.25	0.04	0.22	0.01	962.52	0.26	0.01	972.04

Notes:

Project Start Year ->	2021
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.12	0.03	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.89	0.00	0.00	18.20
Grading/Excavation	0.28	5.51	0.99	0.93	0.05	0.88	0.22	0.04	0.18	0.01	942.63	0.26	0.01	863.63
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.28	5.51	0.99	0.93	0.05	0.88	0.22	0.04	0.18	0.01	942.63	0.26	0.01	863.63
Total (tons/construction project)	0.29	5.63	1.01	1.09	0.05	1.05	0.25	0.04	0.22	0.01	962.52	0.26	0.01	881.83

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2022_SRErosion_Contract2	
Construction Start Year	2022	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	4.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	13.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	83.00
	Grading/Excavation	15.00	77.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.43	8/1/2022	1/1/2022
Grading/Excavation	4.00	1.72	8/11/2022	1/11/2022
Drainage/Utilities/Sub-Grade	0.00	1.51		5/13/2022
Paving	0.00	0.65		5/13/2022
Totals (Months)		4		

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	40.00			6	240.00
Miles/round trip: Grading/Excavation	10.00			6	60.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.05	0.23	1.71	0.06	0.03	0.01	844.78	0.00	0.03	853.38
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	2.79	0.00	0.00	2.82
Pounds per day - Grading/Excavation	0.01	0.06	0.43	0.01	0.01	0.00	211.20	0.00	0.01	213.34
Tons per const. Period - Grading/Excavation	0.00	0.00	0.02	0.00	0.00	0.00	9.29	0.00	0.00	9.39
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.02	0.00	0.00	0.00	12.08	0.00	0.00	12.20

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	25		50	1,000.00
No. of employees: Grading/Excavatio	55		110	2,200.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Grading/Excavation (grams/mile	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Grading/Excavation (grams/trip	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.13	2.25	0.22	0.10	0.04	0.01	776.62	0.02	0.01	779.74
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	2.56	0.00	0.00	2.57
Pounds per day - Grading/Excavation	0.29	4.95	0.48	0.23	0.10	0.02	1,708.55	0.04	0.02	1,715.42
Tons per const. Period - Grading/Excavation	0.01	0.22	0.02	0.01	0.00	0.00	75.18	0.00	0.00	75.48
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.01	0.23	0.02	0.01	0.00	0.00	77.74	0.00	0.00	78.05

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	4		40.00		160.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.29	0.01	0.00	0.00	140.80	0.00	0.00	142.23
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.47
Pounds per day - Grading/Excavation	0.03	0.15	1.14	0.04	0.02	0.01	563.19	0.00	0.02	568.92
Tons per const. Period - Grading/Excavation	0.00	0.01	0.05	0.00	0.00	0.00	24.78	0.00	0.00	25.03
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.01	0.05	0.00	0.00	0.00	25.24	0.00	0.00	25.50

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing	5.00		50.00	0.17	10.40	0.03
Fugitive Dust - Grading/Excavation	2.00		20.00	0.88	4.16	0.18
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.25	20.15	11.00	0.53	0.49	0.03	3,095.03	1.00	0.03	3,128.40
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.33	3.68	2.93	0.15	0.15	0.01	623.04	0.03	0.00	625.17
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.19	1.92	1.80	0.12	0.11	0.00	246.18	0.08	0.00	248.83
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing		pounds per day	2.12	27.55	17.89	0.88	0.83	0.05	4,260.13	1.14	0.04	4,299.79
	Grubbing/Land Clearing		tons per phase	0.01	0.09	0.06	0.00	0.00	0.00	14.06	0.00	0.00	14.19

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Cranes	1.46	7.41	16.37	0.68	0.63	0.02	2,186.94	0.71	0.02	2,210.51
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Excavators	0.84	13.43	7.33	0.35	0.33	0.02	2,063.36	0.67	0.02	2,085.60
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.33	3.68	2.93	0.15	0.15	0.01	623.04	0.03	0.00	625.17
2.00			Model Default Tie	Graders	1.11	8.84	10.44	0.58	0.53	0.01	1,211.21	0.39	0.01	1,224.23
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Off-Highway Trucks	2.10	13.37	15.98	0.58	0.53	0.05	5,090.49	1.65	0.05	5,145.30
1.00			Model Default Tie	Other Construction Equipment	0.38	4.02	3.82	0.20	0.18	0.01	598.33	0.19	0.01	604.79
2.00			Model Default Tie	Other General Industrial Equipmen	0.36	3.87	3.38	0.21	0.19	0.01	496.04	0.16	0.00	501.39
1.00			Model Default Tie	Other Material Handling Equipmen	0.27	3.74	2.23	0.12	0.11	0.01	556.35	0.18	0.01	562.34
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Rubber Tired Dozers	3.42	28.03	34.60	1.58	1.46	0.04	3,449.07	1.12	0.03	3,486.12
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
4.00			Model Default Tie	Skid Steer Loaders	0.28	5.55	3.71	0.14	0.13	0.01	801.57	0.26	0.01	810.21
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.19	1.92	1.80	0.12	0.11	0.00	246.18	0.08	0.00	248.83
2.00			Model Default Tie	Tractors/Loaders/Backhoes	0.33	4.52	3.39	0.18	0.17	0.01	608.69	0.20	0.01	615.24
2.00			Model Default Tie	Trenchers	0.76	5.40	7.02	0.50	0.46	0.01	679.05	0.22	0.01	686.36
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	12.16	105.57	115.15	5.48	5.06	0.20	18,906.18	5.88	0.17	19,103.48
	Grading/Excavation	tons per phase	0.54	4.65	5.07	0.24	0.22	0.01	831.87	0.26	0.01	840.55

Drainage/Utilities/Subgrade Override of Default Number of Vehicles	Default Number of Vehicles *Program-estimate*	Mitigation Option Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment Number of Vehicles	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t Equipment Tier	Type		ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*			Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Paving	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.54	4.74	5.13	0.24	0.23	0.01	845.93	0.26	0.01	854.74

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.31	30.06	20.10	51.06	1.06	50.00	11.30	0.90	10.40	0.06	6,022.32	1.16	0.08	6,075.14
Grading/Excavation	12.50	110.73	117.20	25.76	5.76	20.00	9.34	5.18	4.16	0.22	21,389.12	5.92	0.22	21,601.17
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	12.50	110.73	117.20	51.06	5.76	50.00	11.30	5.18	10.40	0.22	21,389.12	5.92	0.22	21,601.17
Total (tons/construction project)	0.56	4.97	5.22	1.30	0.26	1.05	0.45	0.23	0.22	0.01	960.99	0.26	0.01	970.50

Notes:

Project Start Year ->	2022
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.07	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.87	0.00	0.00	18.19
Grading/Excavation	0.55	4.87	5.16	1.13	0.25	0.88	0.41	0.23	0.18	0.01	941.12	0.26	0.01	862.24
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.55	4.87	5.16	1.13	0.25	0.88	0.41	0.23	0.18	0.01	941.12	0.26	0.01	862.24
Total (tons/construction project)	0.56	4.97	5.22	1.30	0.26	1.05	0.45	0.23	0.22	0.01	960.99	0.26	0.01	880.43

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.30	30.03	18.96	51.05	1.05	50.00	11.30	0.90	10.40	0.06	5,992.75	1.16	0.08	6,044.96
Grading/Excavation	12.49	110.71	116.30	25.75	5.75	20.00	9.33	5.17	4.16	0.22	21,365.88	5.91	0.21	21,577.46
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	12.49	110.71	116.30	51.05	5.75	50.00	11.30	5.17	10.40	0.22	21,365.88	5.91	0.21	21,577.46
Total (tons/construction project)	0.56	4.97	5.18	1.30	0.26	1.05	0.45	0.23	0.22	0.01	959.87	0.26	0.01	969.36

Notes:

Project Start Year ->	2022
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.06	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.78	0.00	0.00	18.10
Grading/Excavation	0.55	4.87	5.12	1.13	0.25	0.88	0.41	0.23	0.18	0.01	940.10	0.26	0.01	861.30
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.55	4.87	5.12	1.13	0.25	0.88	0.41	0.23	0.18	0.01	940.10	0.26	0.01	861.30
Total (tons/construction project)	0.56	4.97	5.18	1.30	0.26	1.05	0.45	0.23	0.22	0.01	959.87	0.26	0.01	879.39

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022_SRErosion_Contract2				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	1.57	35.83	7.87	50.45	0.45	50.00	10.73	0.33	10.40	0.06	5,992.75	1.16	0.08	6,044.96
Grading/Excavation	6.40	124.87	22.32	21.03	1.03	20.00	4.97	0.81	4.16	0.22	21,365.88	5.91	0.21	21,577.46
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	6.40	124.87	22.32	50.45	1.03	50.00	10.73	0.81	10.40	0.22	21,365.88	5.91	0.21	21,577.46
Total (tons/construction project)	0.29	5.61	1.01	1.09	0.05	1.05	0.25	0.04	0.22	0.01	959.87	0.26	0.01	969.36

Notes:

Project Start Year ->	2022
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022_SRErosion_Contract2				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.01	0.12	0.03	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.78	0.00	0.00	18.10
Grading/Excavation	0.28	5.49	0.98	0.93	0.05	0.88	0.22	0.04	0.18	0.01	940.10	0.26	0.01	861.30
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.28	5.49	0.98	0.93	0.05	0.88	0.22	0.04	0.18	0.01	940.10	0.26	0.01	861.30
Total (tons/construction project)	0.29	5.61	1.01	1.09	0.05	1.05	0.25	0.04	0.22	0.01	959.87	0.26	0.01	879.39

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2023_SRErosion_Contract2	
Construction Start Year	2023	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	4.30	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	13.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	83.00
	Grading/Excavation	15.00	77.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.30	0.43	8/1/2023	1/1/2023
Grading/Excavation	4.00	1.72	8/11/2023	1/11/2023
Drainage/Utilities/Sub-Grade	0.00	1.51		5/13/2023
Paving	0.00	0.65		5/13/2023
Totals (Months)		4		

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	40.00			6	240.00
Miles/round trip: Grading/Excavation	10.00			6	60.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.03	0.20	0.69	0.05	0.02	0.01	815.84	0.00	0.03	824.13
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	2.69	0.00	0.00	2.72
Pounds per day - Grading/Excavation	0.01	0.05	0.17	0.01	0.01	0.00	203.96	0.00	0.01	206.03
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	8.97	0.00	0.00	9.07
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	11.67	0.00	0.00	11.79

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions	User Override of Worker			
User Input	Commute Default Values	Default Values		
Miles/ one-way trip	20		Calculated	Calculated
One-way trips/day	2		Daily Trips	Daily VMT
No. of employees: Grubbing/Land Clearin	25		50	1,000.00
No. of employees: Grading/Excavatio	55		110	2,200.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Grading/Excavation (grams/mile	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Grading/Excavation (grams/trip	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.12	2.09	0.20	0.10	0.04	0.01	749.87	0.01	0.01	752.68
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	2.47	0.00	0.00	2.48
Pounds per day - Grading/Excavation	0.27	4.59	0.43	0.23	0.09	0.02	1,649.71	0.03	0.02	1,655.90
Tons per const. Period - Grading/Excavation	0.01	0.20	0.02	0.01	0.00	0.00	72.59	0.00	0.00	72.86
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.01	0.21	0.02	0.01	0.00	0.00	75.06	0.00	0.00	75.34

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated
User Input	Default # Water Trucks	Number of Water Trucks	Miles Traveled/Vehicle/Day	Miles Traveled/Vehicle/Day	Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	4		40.00		160.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.03	0.12	0.01	0.00	0.00	135.97	0.00	0.00	137.35
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45
Pounds per day - Grading/Excavation	0.02	0.13	0.46	0.04	0.01	0.01	543.89	0.00	0.02	549.42
Tons per const. Period - Grading/Excavation	0.00	0.01	0.02	0.00	0.00	0.00	23.93	0.00	0.00	24.17
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.01	0.02	0.00	0.00	0.00	24.38	0.00	0.00	24.63

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max	Default	PM10	PM10	PM2.5	PM2.5
	Acreage Disturbed/Day	Maximum Acreage/Day	pounds/day	tons/per period	pounds/day	tons/per period
Fugitive Dust - Grubbing/Land Clearing	5.00		50.00	0.17	10.40	0.03
Fugitive Dust - Grading/Excavation	2.00		20.00	0.88	4.16	0.18
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Excavators	1.17	20.17	9.59	0.47	0.43	0.03	3,095.59	1.00	0.03	3,128.96
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.31	3.67	2.72	0.13	0.13	0.01	623.04	0.03	0.00	625.12
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.18	1.92	1.71	0.11	0.10	0.00	246.18	0.08	0.00	248.83
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing		pounds per day	2.00	27.56	16.16	0.79	0.74	0.05	4,260.69	1.14	0.04	4,300.29
	Grubbing/Land Clearing		tons per phase	0.01	0.09	0.05	0.00	0.00	0.00	14.06	0.00	0.00	14.19

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Cranes	1.38	7.18	14.93	0.62	0.57	0.02	2,186.90	0.71	0.02	2,210.47
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Excavators	0.78	13.44	6.39	0.31	0.29	0.02	2,063.73	0.67	0.02	2,085.98
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.31	3.67	2.72	0.13	0.13	0.01	623.04	0.03	0.00	625.12
2.00			Model Default Tie	Graders	0.99	8.73	8.98	0.49	0.45	0.01	1,210.95	0.39	0.01	1,223.96
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Off-Highway Trucks	2.01	13.09	14.20	0.51	0.47	0.05	5,094.09	1.65	0.05	5,148.92
1.00			Model Default Tie	Other Construction Equipment	0.35	4.00	3.44	0.18	0.16	0.01	598.26	0.19	0.01	604.72
2.00			Model Default Tie	Other General Industrial Equipmen	0.32	3.85	3.09	0.18	0.16	0.01	496.04	0.16	0.00	501.39
1.00			Model Default Tie	Other Material Handling Equipmen	0.26	3.74	2.08	0.11	0.10	0.01	556.35	0.18	0.01	562.34
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tie	Rubber Tired Dozers	3.21	26.53	31.72	1.45	1.33	0.04	3,450.20	1.12	0.03	3,487.27
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tie	Signal Boards	0.34	1.81	2.16	0.08	0.08	0.00	295.88	0.03	0.00	297.39
4.00			Model Default Tie	Skid Steer Loaders	0.26	5.54	3.46	0.12	0.11	0.01	801.95	0.26	0.01	810.59
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.18	1.92	1.71	0.11	0.10	0.00	246.18	0.08	0.00	248.83
2.00			Model Default Tie	Tractors/Loaders/Backhoes	0.31	4.51	3.10	0.15	0.14	0.01	609.37	0.20	0.01	615.93
2.00			Model Default Tie	Trenchers	0.72	5.38	6.72	0.47	0.43	0.01	679.57	0.22	0.01	686.88
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	11.41	103.38	104.69	4.92	4.55	0.20	18,912.48	5.88	0.17	19,109.78
	Grading/Excavation	tons per phase	0.50	4.55	4.61	0.22	0.20	0.01	832.15	0.26	0.01	840.83

Drainage/Utilities/Subgrade Override of Default Number of Vehicles	Default Number of Vehicles *Program-estimate*	Mitigation Option Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment Number of Vehicles	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t Equipment Tier	Type		ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.51	4.64	4.66	0.22	0.20	0.01	846.21	0.26	0.01	855.02

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2023_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.16	29.87	17.17	50.96	0.96	50.00	11.21	0.81	10.40	0.06	5,962.36	1.16	0.08	6,014.46
Grading/Excavation	11.71	108.15	105.76	25.20	5.20	20.00	8.82	4.66	4.16	0.22	21,310.04	5.91	0.21	21,521.14
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	11.71	108.15	105.76	50.96	5.20	50.00	11.21	4.66	10.40	0.22	21,310.04	5.91	0.21	21,521.14
Total (tons/construction project)	0.52	4.86	4.71	1.28	0.23	1.05	0.43	0.21	0.22	0.01	957.32	0.26	0.01	966.78

Notes:

Project Start Year ->	2023
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2023_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.06	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.68	0.00	0.00	18.01
Grading/Excavation	0.52	4.76	4.65	1.11	0.23	0.88	0.39	0.21	0.18	0.01	937.64	0.26	0.01	859.05
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.52	4.76	4.65	1.11	0.23	0.88	0.39	0.21	0.18	0.01	937.64	0.26	0.01	859.05
Total (tons/construction project)	0.52	4.86	4.71	1.28	0.23	1.05	0.43	0.21	0.22	0.01	957.32	0.26	0.01	877.06

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2023_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.16	29.87	17.10	50.96	0.96	50.00	11.21	0.81	10.40	0.06	5,961.27	1.16	0.08	6,013.06
Grading/Excavation	11.71	108.15	105.70	25.20	5.20	20.00	8.82	4.66	4.16	0.22	21,309.18	5.91	0.21	21,520.04
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	11.71	108.15	105.70	50.96	5.20	50.00	11.21	4.66	10.40	0.22	21,309.18	5.91	0.21	21,520.04
Total (tons/construction project)	0.52	4.86	4.71	1.28	0.23	1.05	0.43	0.21	0.22	0.01	957.28	0.26	0.01	966.72

Notes:

Project Start Year ->	2023
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2023_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.10	0.06	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.67	0.00	0.00	18.00
Grading/Excavation	0.52	4.76	4.65	1.11	0.23	0.88	0.39	0.20	0.18	0.01	937.60	0.26	0.01	859.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.52	4.76	4.65	1.11	0.23	0.88	0.39	0.20	0.18	0.01	937.60	0.26	0.01	859.01
Total (tons/construction project)	0.52	4.86	4.71	1.28	0.23	1.05	0.43	0.21	0.22	0.01	957.28	0.26	0.01	877.01

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2023_SRErosion_Contract2

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.56	35.67	7.73	50.45	0.45	50.00	10.73	0.33	10.40	0.06	5,961.27	1.16	0.08	6,013.06
Grading/Excavation	6.38	124.50	22.18	21.03	1.03	20.00	4.97	0.81	4.16	0.22	21,309.18	5.91	0.21	21,520.04
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	6.38	124.50	22.18	50.45	1.03	50.00	10.73	0.81	10.40	0.22	21,309.18	5.91	0.21	21,520.04
Total (tons/construction project)	0.29	5.60	1.00	1.09	0.05	1.05	0.25	0.04	0.22	0.01	957.28	0.26	0.01	966.72

Notes:

Project Start Year ->	2023
Project Length (months) ->	4
Total Project Area (acres) ->	13
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	83	0	240	0	1,000	40
Grading/Excavation	77	0	60	0	2,200	160
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2023_SRErosion_Contract2

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.12	0.03	0.17	0.00	0.17	0.04	0.00	0.03	0.00	19.67	0.00	0.00	18.00
Grading/Excavation	0.28	5.48	0.98	0.93	0.05	0.88	0.22	0.04	0.18	0.01	937.60	0.26	0.01	859.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.28	5.48	0.98	0.93	0.05	0.88	0.22	0.04	0.18	0.01	937.60	0.26	0.01	859.01
Total (tons/construction project)	0.29	5.60	1.00	1.09	0.05	1.05	0.25	0.04	0.22	0.01	957.28	0.26	0.01	877.01

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Sacramento Weir Widening
Case 1
Case 2

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2021 Sac Weir	
Construction Start Year	2021	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	8.80	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	482.00	acres
Maximum Area Disturbed/Day	40.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	1136.00
	Grading/Excavation	15.00	2148.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.80	0.88	3/1/2021	1/1/2021
Grading/Excavation	8.00	3.52	3/26/2021	1/26/2021
Drainage/Utilities/Sub-Grade	0.00	3.08		9/27/2021
Paving	0.00	1.32		9/27/2021
Totals (Months)	9		Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.	

Program

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	1.20			76	91.20
Miles/round trip: Grading/Excavation	60.00			144	8640.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.09	0.73	0.02	0.01	0.00	324.61	0.00	0.01	327.92
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	2.86	0.00	0.00	2.89
Pounds per day - Grading/Excavation	1.94	8.24	69.44	2.19	0.98	0.29	30,752.89	0.09	1.04	31,065.78
Tons per const. Period - Grading/Excavation	0.17	0.73	6.11	0.19	0.09	0.03	2,706.25	0.01	0.09	2,733.79
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.17	0.73	6.12	0.19	0.09	0.03	2,709.11	0.01	0.09	2,736.67

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	40		80	1,600.00
No. of employees: Grading/Excavation	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Grading/Excavation (grams/mile)	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Grading/Excavation (grams/trip)	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.23	3.90	0.39	0.17	0.07	0.01	1,284.42	0.03	0.02	1,289.97
Tons per const. Period - Grubbing/Land Clearing	0.00	0.03	0.00	0.00	0.00	0.00	11.30	0.00	0.00	11.35
Pounds per day - Grading/Excavation	0.43	7.30	0.73	0.31	0.13	0.02	2,408.28	0.05	0.03	2,418.68
Tons per const. Period - Grading/Excavation	0.04	0.64	0.06	0.03	0.01	0.00	211.93	0.00	0.00	212.84
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.04	0.68	0.07	0.03	0.01	0.00	223.23	0.01	0.00	224.20

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	3		40.00		120.00
Grading/Excavation - Exhaust	3		40.00		120.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.03	0.11	0.96	0.03	0.01	0.00	427.12	0.00	0.01	431.47
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	3.76	0.00	0.00	3.80
Pounds per day - Grading/Excavation	0.03	0.11	0.96	0.03	0.01	0.00	427.12	0.00	0.01	431.47
Tons per const. Period - Grading/Excavation	0.00	0.01	0.08	0.00	0.00	0.00	37.59	0.00	0.00	37.97
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.09	0.00	0.00	0.00	41.35	0.00	0.00	41.77

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			400.00	3.52	83.20	0.73
Fugitive Dust - Grading/Excavation			400.00	35.20	83.20	7.32
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.89	12.66	8.33	0.40	0.37	0.02	1,935.08	0.63	0.02	1,955.95
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.45	4.61	3.96	0.21	0.21	0.01	778.79	0.04	0.01	781.53
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.77	22.42	32.73	1.20	1.10	0.08	7,951.02	2.57	0.07	8,036.66
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grubbing/Land Clearing	pounds per day	5.10	39.68	45.02	1.81	1.69	0.11	10,664.89	3.24	0.09	10,774.14
Grubbing/Land Clearing	tons per phase	0.04	0.35	0.40	0.02	0.01	0.00	93.85	0.03	0.00	94.81

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Bore/Drill Rigs	0.30	2.42	3.52	0.11	0.10	0.01	1,062.70	0.34	0.01	1,074.19
4.00			Model Default Tier	Cement and Mortar Mixers	0.29	1.54	1.84	0.07	0.07	0.00	252.58	0.03	0.00	253.87
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	2.02	9.70	23.72	0.96	0.89	0.03	2,733.23	0.88	0.02	2,762.68
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.89	12.66	8.33	0.40	0.37	0.02	1,935.08	0.63	0.02	1,955.95
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Generator Sets	0.89	9.21	7.92	0.42	0.42	0.02	1,557.59	0.08	0.01	1,563.07
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.77	22.42	32.73	1.20	1.10	0.08	7,951.02	2.57	0.07	8,036.66
1.00			Model Default Tier	Other Construction Equipment	0.52	5.07	5.48	0.29	0.26	0.01	748.16	0.24	0.01	756.23
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Pumps	0.95	9.35	8.03	0.44	0.44	0.02	1,557.59	0.08	0.01	1,563.21
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.29	2.44	2.57	0.19	0.17	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.47	5.71	4.79	0.28	0.26	0.01	760.01	0.25	0.01	768.19
1.00			Model Default Tier	Trenchers	0.50	3.38	4.56	0.33	0.30	0.00	424.37	0.14	0.00	428.94
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	10.89	83.89	103.48	4.70	4.40	0.20	19,290.04	5.34	0.17	19,474.00
Grading/Excavation	tons per phase	0.96	7.38	9.11	0.41	0.39	0.02	1,697.52	0.47	0.01	1,713.71

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			1.00	7.73	9.50	0.43	0.40	0.02	1,791.37	0.50	0.02	1,808.52

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	5.38	43.78	47.11	402.03	2.03	400.00	84.98	1.78	83.20	0.13	12,701.05	3.27	0.14	12,823.49
Grading/Excavation	13.29	99.56	174.61	407.22	7.22	400.00	88.72	5.52	83.20	0.52	52,878.33	5.49	1.26	53,389.93
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.29	99.56	174.61	407.22	7.22	400.00	88.72	5.52	83.20	0.52	52,878.33	5.49	1.26	53,389.93
Total (tons/construction project)	1.22	9.15	15.78	39.37	0.65	38.72	8.56	0.50	8.05	0.05	4,765.06	0.51	0.11	4,811.16

Notes:

Project Start Year ->	2021
Project Length (months) ->	9
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	1136	0	91	0	1,600	120
Grading/Excavation	2,148	0	8,640	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.05	0.39	0.41	3.54	0.02	3.52	0.75	0.02	0.73	0.00	111.77	0.03	0.00	102.37
Grading/Excavation	1.17	8.76	15.37	35.84	0.64	35.20	7.81	0.49	7.32	0.05	4,653.29	0.48	0.11	4,262.28
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.17	8.76	15.37	35.84	0.64	35.20	7.81	0.49	7.32	0.05	4653.29	0.48	0.11	4,262.28
Total (tons/construction project)	1.22	9.15	15.78	39.37	0.65	38.72	8.56	0.50	8.05	0.05	4765.06	0.51	0.11	4,364.66

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	5.36	43.75	46.08	402.03	2.03	400.00	84.97	1.77	83.20	0.13	12,675.47	3.27	0.14	12,797.42
Grading/Excavation	12.62	98.34	131.80	406.99	6.99	400.00	88.50	5.30	83.20	0.51	51,817.48	5.45	1.19	52,308.61
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	12.62	98.34	131.80	406.99	6.99	400.00	88.50	5.30	83.20	0.51	51,817.48	5.45	1.19	52,308.61
Total (tons/construction project)	1.16	9.04	12.00	39.35	0.63	38.72	8.54	0.48	8.05	0.05	4,671.48	0.51	0.11	4,715.78

Notes:

Project Start Year ->	2021
Project Length (months) ->	9
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	1136	0	91	0	1,600	120
Grading/Excavation	2,148	0	8,640	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.05	0.38	0.41	3.54	0.02	3.52	0.75	0.02	0.73	0.00	111.54	0.03	0.00	102.17
Grading/Excavation	1.11	8.65	11.60	35.82	0.62	35.20	7.79	0.47	7.32	0.05	4,559.94	0.48	0.10	4,175.96
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.11	8.65	11.60	35.82	0.62	35.20	7.79	0.47	7.32	0.05	4559.94	0.48	0.10	4,175.96
Total (tons/construction project)	1.16	9.04	12.00	39.35	0.63	38.72	8.54	0.48	8.05	0.05	4671.48	0.51	0.11	4,278.12

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	3.59	67.86	7.72	400.55	0.55	400.00	83.59	0.39	83.20	0.13	12,675.47	3.27	0.14	12,797.42
Grading/Excavation	7.74	134.56	44.38	403.02	3.02	400.00	84.77	1.57	83.20	0.51	51,817.48	5.45	1.19	52,308.61
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	7.74	134.56	44.38	403.02	3.02	400.00	84.77	1.57	83.20	0.51	51,817.48	5.45	1.19	52,308.61
Total (tons/construction project)	0.71	12.44	3.97	38.99	0.27	38.72	8.20	0.14	8.05	0.05	4,671.48	0.51	0.11	4,715.78

Notes:

Project Start Year ->	2021
Project Length (months) ->	9
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	1136	0	91	0	1,600	120
Grading/Excavation	2,148	0	8,640	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.03	0.60	0.07	3.52	0.00	3.52	0.74	0.00	0.73	0.00	111.54	0.03	0.00	102.17
Grading/Excavation	0.68	11.84	3.91	35.47	0.27	35.20	7.46	0.14	7.32	0.05	4,559.94	0.48	0.10	4,175.96
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.68	11.84	3.91	35.47	0.27	35.20	7.46	0.14	7.32	0.05	4559.94	0.48	0.10	4,175.96
Total (tons/construction project)	0.71	12.44	3.97	38.99	0.27	38.72	8.20	0.14	8.05	0.05	4671.48	0.51	0.11	4,278.12

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 8.1.0**
Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2022 Sac Weir	
Construction Start Year	2022	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	12.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	482.00	acres
Maximum Area Disturbed/Day	40.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	94.00	163.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	88.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	1.20		1/1/2022
Grading/Excavation	12.00	4.80		1/1/2022
Drainage/Utilities/Sub-Grade	0.00	4.20		1/1/2023
Paving	0.00	1.80		1/1/2023
Totals (Months)	12			

Program

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	61.00			18	1098.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.24	1.04	7.82	0.27	0.12	0.04	3,864.88	0.01	0.13	3,904.21
Tons per const. Period - Grading/Excavation	0.03	0.14	1.03	0.04	0.02	0.00	510.16	0.00	0.02	515.36
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.03	0.14	1.03	0.04	0.02	0.00	510.16	0.00	0.02	515.36

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	60.00			6	360.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.08	0.34	2.57	0.09	0.04	0.01	1,267.17	0.00	0.04	1,280.07
Tons per const. Period - Grading/Excavation	0.01	0.04	0.34	0.01	0.01	0.00	167.27	0.00	0.01	168.97
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.04	0.34	0.01	0.01	0.00	167.27	0.00	0.01	168.97

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	0		0	0.00
No. of employees: Grading/Excavation	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.40	6.75	0.66	0.31	0.13	0.02	2,329.85	0.05	0.03	2,339.21
Tons per const. Period - Grading/Excavation	0.05	0.89	0.09	0.04	0.02	0.00	307.54	0.01	0.00	308.78
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.05	0.89	0.09	0.04	0.02	0.00	307.54	0.01	0.00	308.78

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	3		40.00		120.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.03	0.11	0.86	0.03	0.01	0.00	422.39	0.00	0.01	426.69
Tons per const. Period - Grading/Excavation	0.00	0.01	0.11	0.00	0.00	0.00	55.76	0.00	0.00	56.32
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.11	0.00	0.00	0.00	55.76	0.00	0.00	56.32

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			400.00	52.80	83.20	10.98
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cement and Mortar Mixers	0.29	1.54	1.84	0.07	0.07	0.00	252.58	0.03	0.00	253.87
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	1.82	9.26	20.47	0.85	0.78	0.03	2,733.67	0.88	0.02	2,763.14
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.78	12.59	6.87	0.33	0.31	0.02	1,934.40	0.63	0.02	1,955.25
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Generator Sets	0.82	9.19	7.32	0.37	0.37	0.02	1,557.59	0.07	0.01	1,562.93
1.00			Model Default Tier	Graders	0.70	5.53	6.52	0.36	0.33	0.01	757.00	0.24	0.01	765.14
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.29	20.89	24.96	0.91	0.83	0.08	7,953.90	2.57	0.07	8,039.53
1.00			Model Default Tier	Other Construction Equipment	0.47	5.03	4.77	0.25	0.23	0.01	747.91	0.24	0.01	755.99
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Other Material Handling Equipment	0.33	4.68	2.79	0.15	0.14	0.01	695.43	0.22	0.01	702.93
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Paving Equipment	0.22	3.16	2.16	0.11	0.10	0.01	489.35	0.16	0.00	494.63
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Pumps	0.44	4.66	3.71	0.19	0.19	0.01	778.79	0.04	0.01	781.53
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Rubber Tired Dozers	1.07	8.76	10.81	0.49	0.45	0.01	1,077.83	0.35	0.01	1,089.41
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Scrapers	1.01	7.86	11.03	0.43	0.40	0.02	1,812.83	0.59	0.02	1,832.37
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Surfacing Equipment	0.22	1.95	2.62	0.10	0.09	0.01	790.45	0.26	0.01	798.98
1.00			Model Default Tier	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.42	5.65	4.23	0.23	0.21	0.01	760.86	0.25	0.01	769.05
1.00			Model Default Tier	Trenchers	0.47	3.37	4.39	0.31	0.29	0.00	424.41	0.14	0.00	428.97
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	12.60	106.51	116.74	5.30	4.93	0.24	23,074.73	6.77	0.20	23,304.77
Grading/Excavation	tons per phase	1.66	14.06	15.41	0.70	0.65	0.03	3,045.86	0.89	0.03	3,076.23

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>		1.66	14.06	15.41	0.70	0.65	0.03	3,045.86	0.89	0.03	3,076.23

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	13.34	114.76	128.64	406.00	6.00	400.00	88.43	5.23	83.20	0.32	30,959.02	6.83	0.42	31,254.95
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.34	114.76	128.64	406.00	6.00	400.00	88.43	5.23	83.20	0.32	30,959.02	6.83	0.42	31,254.95
Total (tons/construction project)	1.76	15.15	16.98	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4,086.59	0.90	0.06	4,125.65

Notes:

Project Start Year ->	2022
Project Length (months) ->	12
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	40
Grading/Excavation	257	88	1,098	360	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.76	15.15	16.98	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4,086.59	0.90	0.06	3,742.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.76	15.15	16.98	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4086.59	0.90	0.06	3,742.77
Total (tons/construction project)	1.76	15.15	16.98	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4086.59	0.90	0.06	3,742.77

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	13.24	114.56	122.24	405.97	5.97	400.00	88.40	5.20	83.20	0.31	30,792.39	6.82	0.41	31,084.88
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.24	114.56	122.24	405.97	5.97	400.00	88.40	5.20	83.20	0.31	30,792.39	6.82	0.41	31,084.88
Total (tons/construction project)	1.75	15.12	16.14	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4,064.59	0.90	0.05	4,103.20

Notes:

Project Start Year ->	2022
Project Length (months) ->	12
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	40
Grading/Excavation	257	88	1,098	360	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.75	15.12	16.14	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4,064.59	0.90	0.05	3,722.40
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.75	15.12	16.14	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4064.59	0.90	0.05	3,722.40
Total (tons/construction project)	1.75	15.12	16.14	53.59	0.79	52.80	11.67	0.69	10.98	0.04	4064.59	0.90	0.05	3,722.40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	7.88	150.77	24.02	401.51	1.51	400.00	84.25	1.05	83.20	0.31	30,792.39	6.82	0.41	31,084.88
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	7.88	150.77	24.02	401.51	1.51	400.00	84.25	1.05	83.20	0.31	30,792.39	6.82	0.41	31,084.88
Total (tons/construction project)	1.04	19.90	3.17	53.00	0.20	52.80	11.12	0.14	10.98	0.04	4,064.59	0.90	0.05	4,103.20

Notes:

Project Start Year ->	2022
Project Length (months) ->	12
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	40
Grading/Excavation	257	88	1,098	360	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.04	19.90	3.17	53.00	0.20	52.80	11.12	0.14	10.98	0.04	4,064.59	0.90	0.05	3,722.40
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.04	19.90	3.17	53.00	0.20	52.80	11.12	0.14	10.98	0.04	4064.59	0.90	0.05	3,722.40
Total (tons/construction project)	1.04	19.90	3.17	53.00	0.20	52.80	11.12	0.14	10.98	0.04	4064.59	0.90	0.05	3,722.40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2023 Sac Weir	
Construction Start Year	2023	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	10.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	482.00	acres
Maximum Area Disturbed/Day	40.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	9.00	2905.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	0.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	1.00		1/1/2023
Grading/Excavation	10.00	4.00		1/1/2023
Drainage/Utilities/Sub-Grade	0.00	3.50		11/2/2023
Paving	0.00	1.50		11/2/2023
Totals (Months)	Program	10		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	0.00			0	0.00
Miles/round trip: Grading/Excavation	1.40			195	273.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.04	0.22	0.79	0.06	0.02	0.01	928.01	0.00	0.03	937.45
Tons per const. Period - Grading/Excavation	0.00	0.02	0.09	0.01	0.00	0.00	102.08	0.00	0.00	103.12
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.02	0.09	0.01	0.00	0.00	102.08	0.00	0.00	103.12

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	0		0	0.00
No. of employees: Grading/Excavation	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.37	6.26	0.59	0.31	0.13	0.02	2,249.60	0.04	0.02	2,258.05
Tons per const. Period - Grading/Excavation	0.04	0.69	0.07	0.03	0.01	0.00	247.46	0.00	0.00	248.39
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.04	0.69	0.07	0.03	0.01	0.00	247.46	0.00	0.00	248.39

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust	3		40.00		120.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.02	0.10	0.35	0.03	0.01	0.00	407.92	0.00	0.01	412.06
Tons per const. Period - Grading/Excavation	0.00	0.01	0.04	0.00	0.00	0.00	44.87	0.00	0.00	45.33
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.04	0.00	0.00	0.00	44.87	0.00	0.00	45.33

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			400.00	44.00	83.20	9.15
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Cement and Mortar Mixers	0.15	0.77	0.92	0.04	0.04	0.00	126.29	0.01	0.00	126.93
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Cranes	0.86	4.49	9.33	0.39	0.36	0.01	1,366.81	0.44	0.01	1,381.54
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.73	12.60	5.99	0.29	0.27	0.02	1,934.75	0.63	0.02	1,955.60
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Generator Sets	0.76	9.17	6.79	0.32	0.32	0.02	1,557.59	0.07	0.01	1,562.79
1.00			Model Default Tier	Graders	0.62	5.46	5.61	0.31	0.28	0.01	756.84	0.24	0.01	764.97
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.13	20.45	22.19	0.80	0.74	0.08	7,959.51	2.57	0.07	8,045.19
1.00			Model Default Tier	Other Construction Equipment	0.44	5.00	4.30	0.22	0.21	0.01	747.83	0.24	0.01	755.90
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Other Material Handling Equipment	0.32	4.67	2.61	0.14	0.13	0.01	695.43	0.22	0.01	702.93
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Paving Equipment	0.21	3.17	1.99	0.10	0.09	0.01	489.35	0.16	0.00	494.63
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Pumps	0.41	4.66	3.44	0.17	0.17	0.01	778.79	0.04	0.01	781.43
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Rubber Tired Dozers	1.00	8.29	9.91	0.45	0.42	0.01	1,078.19	0.35	0.01	1,089.77
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Scrapers	0.97	7.57	10.21	0.40	0.37	0.02	1,812.63	0.59	0.02	1,832.16
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Surfacing Equipment	0.22	1.95	2.48	0.09	0.09	0.01	790.19	0.26	0.01	798.72
1.00			Model Default Tier	Sweepers/Scrubbers	0.23	2.40	2.13	0.14	0.13	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.38	5.64	3.88	0.19	0.18	0.01	761.71	0.25	0.01	769.91
1.00			Model Default Tier	Trenchers	0.45	3.36	4.20	0.29	0.27	0.00	424.73	0.14	0.00	429.30
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	10.88	99.65	95.98	4.35	4.04	0.22	21,588.36	6.30	0.19	21,802.82
Grading/Excavation	tons per phase	1.20	10.96	10.56	0.48	0.44	0.02	2,374.72	0.69	0.02	2,398.31

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			1.20	10.96	10.56	0.48	0.44	0.02	2,374.72	0.69	0.02	2,398.31

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2023 Sac Weir Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	11.31	106.23	97.70	404.74	4.74	400.00	87.41	4.21	83.20	0.26	25,173.90	6.35	0.26	25,410.39
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	11.31	106.23	97.70	404.74	4.74	400.00	87.41	4.21	83.20	0.26	25,173.90	6.35	0.26	25,410.39
Total (tons/construction project)	1.24	11.69	10.75	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2,769.13	0.70	0.03	2,795.14

Notes:

Project Start Year ->	2023
Project Length (months) ->	10
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	2,914	0	273	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2023 Sac Weir Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.24	11.69	10.75	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2,769.13	0.70	0.03	2,535.74
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.24	11.69	10.75	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2769.13	0.70	0.03	2,535.74
Total (tons/construction project)	1.24	11.69	10.75	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2769.13	0.70	0.03	2,535.74

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2023 Sac Weir Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	11.31	106.23	97.61	404.74	4.74	400.00	87.41	4.21	83.20	0.26	25,172.37	6.35	0.26	25,408.42
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	11.31	106.23	97.61	404.74	4.74	400.00	87.41	4.21	83.20	0.26	25,172.37	6.35	0.26	25,408.42
Total (tons/construction project)	1.24	11.69	10.74	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2,768.96	0.70	0.03	2,794.93

Notes:

Project Start Year ->	2023
Project Length (months) ->	10
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	2,914	0	273	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2023 Sac Weir Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.24	11.69	10.74	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2,768.96	0.70	0.03	2,535.54
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.24	11.69	10.74	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2768.96	0.70	0.03	2,535.54
Total (tons/construction project)	1.24	11.69	10.74	44.52	0.52	44.00	9.61	0.46	9.15	0.03	2768.96	0.70	0.03	2,535.54

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2023 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	7.17	140.45	18.11	401.13	1.13	400.00	84.04	0.84	83.20	0.26	25,172.37	6.35	0.26	25,408.42
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	7.17	140.45	18.11	401.13	1.13	400.00	84.04	0.84	83.20	0.26	25,172.37	6.35	0.26	25,408.42
Total (tons/construction project)	0.79	15.45	1.99	44.12	0.12	44.00	9.24	0.09	9.15	0.03	2,768.96	0.70	0.03	2,794.93

Notes:

Project Start Year ->	2023
Project Length (months) ->	10
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	2,914	0	273	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2023 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.79	15.45	1.99	44.12	0.12	44.00	9.24	0.09	9.15	0.03	2,768.96	0.70	0.03	2,535.54
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.79	15.45	1.99	44.12	0.12	44.00	9.24	0.09	9.15	0.03	2768.96	0.70	0.03	2,535.54
Total (tons/construction project)	0.79	15.45	1.99	44.12	0.12	44.00	9.24	0.09	9.15	0.03	2768.96	0.70	0.03	2,535.54

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2021 Sac Weir	
Construction Start Year	2021	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	8.80	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	482.00	acres
Maximum Area Disturbed/Day	40.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	1136.00
	Grading/Excavation	15.00	2173.00	244.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.80	0.88	5/1/2021	1/1/2021
Grading/Excavation	8.00	3.52	5/26/2021	1/26/2021
Drainage/Utilities/Sub-Grade	0.00	3.08		9/27/2021
Paving	0.00	1.32		9/27/2021
Totals (Months)	9		Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.	

Program

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	1.20			76	91.20
Miles/round trip: Grading/Excavation	60.00			162	9720.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.60	0.11	0.05	0.02	1,612.71	0.00	0.05	1,629.12
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.09	0.73	0.02	0.01	0.00	324.61	0.00	0.01	327.92
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	2.86	0.00	0.00	2.89
Pounds per day - Grading/Excavation	2.17	9.26	77.23	2.45	1.10	0.33	34,558.67	0.10	1.17	34,910.29
Tons per const. Period - Grading/Excavation	0.19	0.82	6.80	0.22	0.10	0.03	3,041.16	0.01	0.10	3,072.11
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.19	0.82	6.80	0.22	0.10	0.03	3,044.02	0.01	0.10	3,074.99

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.60	0.11	0.05	0.02	1,612.71	0.00	0.05	1,629.12
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	40		80	1,600.00
No. of employees: Grading/Excavation	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Grading/Excavation (grams/mile)	0.02	0.98	0.10	0.05	0.02	0.00	358.86	0.01	0.00	360.29
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Grading/Excavation (grams/trip)	0.92	2.26	0.17	0.00	0.00	0.00	81.66	0.01	0.01	84.09
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.23	3.90	0.39	0.17	0.07	0.01	1,284.42	0.03	0.02	1,289.97
Tons per const. Period - Grubbing/Land Clearing	0.00	0.03	0.00	0.00	0.00	0.00	11.30	0.00	0.00	11.35
Pounds per day - Grading/Excavation	0.43	7.25	0.72	0.31	0.13	0.02	2,400.44	0.05	0.03	2,410.74
Tons per const. Period - Grading/Excavation	0.04	0.64	0.06	0.03	0.01	0.00	211.24	0.00	0.00	212.14
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.04	0.67	0.07	0.03	0.01	0.00	222.54	0.00	0.00	223.50

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	3		40.00		120.00
Grading/Excavation - Exhaust	3		40.00		120.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.60	0.11	0.05	0.02	1,612.71	0.00	0.05	1,629.12
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.03	0.11	0.96	0.03	0.01	0.00	427.12	0.00	0.01	431.47
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	3.76	0.00	0.00	3.80
Pounds per day - Grading/Excavation	0.03	0.11	0.95	0.03	0.01	0.00	426.65	0.00	0.01	430.99
Tons per const. Period - Grading/Excavation	0.00	0.01	0.08	0.00	0.00	0.00	37.55	0.00	0.00	37.93
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.09	0.00	0.00	0.00	41.30	0.00	0.00	41.72

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			400.00	3.52	83.20	0.73
Fugitive Dust - Grading/Excavation			400.00	35.20	83.20	7.32
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.89	12.66	8.33	0.40	0.37	0.02	1,935.08	0.63	0.02	1,955.95
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.45	4.61	3.96	0.21	0.21	0.01	778.79	0.04	0.01	781.53
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.77	22.42	32.73	1.20	1.10	0.08	7,951.02	2.57	0.07	8,036.66
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		5.10	39.68	45.02	1.81	1.69	0.11	10,664.89	3.24	0.09	10,774.14
	Grubbing/Land Clearing	tons per phase		0.04	0.35	0.40	0.02	0.01	0.00	93.85	0.03	0.00	94.81

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Bore/Drill Rigs	0.30	2.41	3.43	0.10	0.10	0.01	1,062.87	0.34	0.01	1,074.36
4.00			Model Default Tier	Cement and Mortar Mixers	0.29	1.54	1.84	0.07	0.07	0.00	252.58	0.03	0.00	253.87
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	2.00	9.66	23.40	0.95	0.88	0.03	2,733.27	0.88	0.02	2,762.73
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.88	12.65	8.19	0.40	0.36	0.02	1,935.01	0.63	0.02	1,955.88
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Generator Sets	0.89	9.21	7.86	0.41	0.41	0.02	1,557.59	0.08	0.01	1,563.05
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.72	22.26	31.96	1.17	1.08	0.08	7,951.31	2.57	0.07	8,036.95
1.00			Model Default Tier	Other Construction Equipment	0.52	5.06	5.41	0.28	0.26	0.01	748.13	0.24	0.01	756.21
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Pumps	0.94	9.35	7.96	0.44	0.44	0.02	1,557.59	0.08	0.01	1,563.19
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.28	2.43	2.54	0.19	0.17	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.47	5.70	4.73	0.28	0.25	0.01	760.09	0.25	0.01	768.27
1.00			Model Default Tier	Trenchers	0.49	3.38	4.54	0.33	0.30	0.00	424.37	0.14	0.00	428.94
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	10.78	83.67	101.85	4.62	4.33	0.20	19,290.54	5.34	0.17	19,474.48
Grading/Excavation	tons per phase	0.95	7.36	8.96	0.41	0.38	0.02	1,697.57	0.47	0.01	1,713.75

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			0.99	7.71	9.36	0.42	0.40	0.02	1,791.42	0.50	0.02	1,808.57

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	5.38	43.78	47.11	402.03	2.03	400.00	84.98	1.78	83.20	0.13	12,701.05	3.27	0.14	12,823.49
Grading/Excavation	13.40	100.30	180.76	407.42	7.42	400.00	88.77	5.57	83.20	0.56	56,676.30	5.49	1.39	57,226.49
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.40	100.30	180.76	407.42	7.42	400.00	88.77	5.57	83.20	0.56	56,676.30	5.49	1.39	57,226.49
Total (tons/construction project)	1.23	9.21	16.32	39.39	0.67	38.72	8.56	0.51	8.05	0.05	5,099.28	0.51	0.12	5,148.78

Notes:

Project Start Year ->	2021
Project Length (months) ->	9
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	1136	0	91	0	1,600	120
Grading/Excavation	2,417	0	9,720	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.05	0.39	0.41	3.54	0.02	3.52	0.75	0.02	0.73	0.00	111.77	0.03	0.00	102.37
Grading/Excavation	1.18	8.83	15.91	35.85	0.65	35.20	7.81	0.49	7.32	0.05	4,987.51	0.48	0.12	4,568.57
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.18	8.83	15.91	35.85	0.65	35.20	7.81	0.49	7.32	0.05	4987.51	0.48	0.12	4,568.57
Total (tons/construction project)	1.23	9.21	16.32	39.39	0.67	38.72	8.56	0.51	8.05	0.05	5099.28	0.51	0.12	4,670.94

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	5.36	43.75	46.08	402.03	2.03	400.00	84.97	1.77	83.20	0.13	12,675.47	3.27	0.14	12,797.42
Grading/Excavation	12.66	98.94	133.48	407.16	7.16	400.00	88.53	5.33	83.20	0.55	55,499.91	5.46	1.31	56,027.27
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	12.66	98.94	133.48	407.16	7.16	400.00	88.53	5.33	83.20	0.55	55,499.91	5.46	1.31	56,027.27
Total (tons/construction project)	1.16	9.09	12.15	39.37	0.65	38.72	8.54	0.48	8.05	0.05	4,995.54	0.51	0.12	5,043.02

Notes:

Project Start Year ->	2021
Project Length (months) ->	9
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	1136	0	91	0	1,600	120
Grading/Excavation	2,417	0	9,720	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.05	0.38	0.41	3.54	0.02	3.52	0.75	0.02	0.73	0.00	111.54	0.03	0.00	102.17
Grading/Excavation	1.11	8.71	11.75	35.83	0.63	35.20	7.79	0.47	7.32	0.05	4,883.99	0.48	0.12	4,472.83
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.11	8.71	11.75	35.83	0.63	35.20	7.79	0.47	7.32	0.05	4883.99	0.48	0.12	4,472.83
Total (tons/construction project)	1.16	9.09	12.15	39.37	0.65	38.72	8.54	0.48	8.05	0.05	4995.54	0.51	0.12	4,575.00

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2021 Sac Weir Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	3.59	67.86	7.72	400.55	0.55	400.00	83.59	0.39	83.20	0.13	12,675.47	3.27	0.14	12,797.42
Grading/Excavation	7.90	135.39	47.69	403.26	3.26	400.00	84.87	1.67	83.20	0.55	55,499.91	5.46	1.31	56,027.27
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	7.90	135.39	47.69	403.26	3.26	400.00	84.87	1.67	83.20	0.55	55,499.91	5.46	1.31	56,027.27
Total (tons/construction project)	0.73	12.51	4.26	39.01	0.29	38.72	8.20	0.15	8.05	0.05	4,995.54	0.51	0.12	5,043.02

Notes:

Project Start Year ->	2021
Project Length (months) ->	9
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	1136	0	91	0	1,600	120
Grading/Excavation	2,417	0	9,720	0	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2021 Sac Weir Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.03	0.60	0.07	3.52	0.00	3.52	0.74	0.00	0.73	0.00	111.54	0.03	0.00	102.17
Grading/Excavation	0.69	11.91	4.20	35.49	0.29	35.20	7.47	0.15	7.32	0.05	4,883.99	0.48	0.12	4,472.83
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.69	11.91	4.20	35.49	0.29	35.20	7.47	0.15	7.32	0.05	4883.99	0.48	0.12	4,472.83
Total (tons/construction project)	0.73	12.51	4.26	39.01	0.29	38.72	8.20	0.15	8.05	0.05	4995.54	0.51	0.12	4,575.00

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Barge Emissions Calculations
ARCF 2016
Sacramento Weir - 2021

Basic Assumptions	
CY per Barge[1]	909
CY Imported	25,000
Miles/ hr per barge	5
Extra Empty Trips	2
Total Hrs per Day	10
lbs/ tons	2000
lbs/MT	2204.62

	San Rafael to Rio Vista (in SFNA)	San Rafael to Rio Vista (in BAAQMD)	Rio Vista to Sac Weir (in SFNA)
No. of Barge in Tow	4	4	1
Miles (one-way)	10.4	45	47
Total Tow-Hours	**18**	**80**	**277**

	PM10	PM2.5	NOx	ROG	CO	SO2	CO2	CH4	N2O	CO2e (MT)
Two-Engine Push Boat Emissions (lb/hr)	1.61	1.44	35.71	2.09	8.97	0.01	1417.70	0.06	0.01	1422.56
Tug Boat Emissions (lb/hr)	0.37	0.33	6.47	0.54	1.90	0.00	456.06	0.02	0.00	457.63
Total Emissions for Push Boat - In SFNA (Tons)	**0.01**	**0.01**	**0.33**	**0.02**	**0.08**	**0.00**	**13.09**	**0.00**	**0.00**	**11.91**
Total Emission for Push Boat- In BAAQMD (Tons)[2]	**0.06**	**0.06**	**1.43**	**0.08**	**0.36**	**0.00**	**56.62**	**0.00**	**0.00**	**51.54**
Total Emissions for Tug Boat - In SFNA (Tons)	**0.05**	**0.05**	**0.90**	**0.08**	**0.26**	**0.00**	**63.23**	**0.00**	**0.00**	**57.56**
Sum of Emissions in SFNA (Tons)	**0.07**	**0.06**	**1.23**	**0.09**	**0.35**	**0.00**	**76.32**	**0.00**	**0.00**	**69.5**

Notes: [1] https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483 , one barge has the capacity of 1500 tons and assuming 1.65 tons/cy of quarry rock

[2] BAAQMD NOx Threshold is 54 lb/day (Not relevent to General Conformity)

Road Construction Emissions Model **Version 8.1.0**
Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	2022 Sac Weir	
Construction Start Year	2022	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	12.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.30	miles
Total Project Area	482.00	acres
Maximum Area Disturbed/Day	40.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	88.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	77.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	1.20		1/1/2022
Grading/Excavation	12.00	4.80		1/1/2022
Drainage/Utilities/Sub-Grade	0.00	4.20		1/1/2023
Paving	0.00	1.80		1/1/2023
Totals (Months)	12			

Program

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	60.00			6	360.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.08	0.34	2.57	0.09	0.04	0.01	1,267.17	0.00	0.04	1,280.07
Tons per const. Period - Grading/Excavation	0.01	0.04	0.34	0.01	0.01	0.00	167.27	0.00	0.01	168.97
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.04	0.34	0.01	0.01	0.00	167.27	0.00	0.01	168.97

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	60.00			6	360.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.08	0.34	2.57	0.09	0.04	0.01	1,267.17	0.00	0.04	1,280.07
Tons per const. Period - Grading/Excavation	0.01	0.04	0.34	0.01	0.01	0.00	167.27	0.00	0.01	168.97
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.04	0.34	0.01	0.01	0.00	167.27	0.00	0.01	168.97

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	0		0	0.00
No. of employees: Grading/Excavation	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.40	6.75	0.66	0.31	0.13	0.02	2,329.85	0.05	0.03	2,339.21
Tons per const. Period - Grading/Excavation	0.05	0.89	0.09	0.04	0.02	0.00	307.54	0.01	0.00	308.78
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.05	0.89	0.09	0.04	0.02	0.00	307.54	0.01	0.00	308.78

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust	3		40.00		120.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.03	0.11	0.86	0.03	0.01	0.00	422.39	0.00	0.01	426.69
Tons per const. Period - Grading/Excavation	0.00	0.01	0.11	0.00	0.00	0.00	55.76	0.00	0.00	56.32
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.11	0.00	0.00	0.00	55.76	0.00	0.00	56.32

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			400.00	52.80	83.20	10.98
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cement and Mortar Mixers	0.29	1.54	1.84	0.07	0.07	0.00	252.58	0.03	0.00	253.87
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	1.82	9.26	20.47	0.85	0.78	0.03	2,733.67	0.88	0.02	2,763.14
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tier	Excavators	0.78	12.59	6.87	0.33	0.31	0.02	1,934.40	0.63	0.02	1,955.25
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Generator Sets	0.82	9.19	7.32	0.37	0.37	0.02	1,557.59	0.07	0.01	1,562.93
1.00			Model Default Tier	Graders	0.70	5.53	6.52	0.36	0.33	0.01	757.00	0.24	0.01	765.14
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00			Model Default Tier	Off-Highway Trucks	3.29	20.89	24.96	0.91	0.83	0.08	7,953.90	2.57	0.07	8,039.53
1.00			Model Default Tier	Other Construction Equipment	0.47	5.03	4.77	0.25	0.23	0.01	747.91	0.24	0.01	755.99
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Other Material Handling Equipment	0.33	4.68	2.79	0.15	0.14	0.01	695.43	0.22	0.01	702.93
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Paving Equipment	0.22	3.16	2.16	0.11	0.10	0.01	489.35	0.16	0.00	494.63
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Pumps	0.44	4.66	3.71	0.19	0.19	0.01	778.79	0.04	0.01	781.53
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Rubber Tired Dozers	1.07	8.76	10.81	0.49	0.45	0.01	1,077.83	0.35	0.01	1,089.41
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Scrapers	1.01	7.86	11.03	0.43	0.40	0.02	1,812.83	0.59	0.02	1,832.37
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Surfacing Equipment	0.22	1.95	2.62	0.10	0.09	0.01	790.45	0.26	0.01	798.98
1.00			Model Default Tier	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.42	5.65	4.23	0.23	0.21	0.01	760.86	0.25	0.01	769.05
1.00			Model Default Tier	Trenchers	0.47	3.37	4.39	0.31	0.29	0.00	424.41	0.14	0.00	428.97
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	12.60	106.51	116.74	5.30	4.93	0.24	23,074.73	6.77	0.20	23,304.77
Grading/Excavation	tons per phase	1.66	14.06	15.41	0.70	0.65	0.03	3,045.86	0.89	0.03	3,076.23

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Paving	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			1.66	14.06	15.41	0.70	0.65	0.03	3,045.86	0.89	0.03	3,076.23

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	13.18	114.06	123.39	405.82	5.82	400.00	88.35	5.15	83.20	0.29	28,361.32	6.82	0.33	28,630.81
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.18	114.06	123.39	405.82	5.82	400.00	88.35	5.15	83.20	0.29	28,361.32	6.82	0.33	28,630.81
Total (tons/construction project)	1.74	15.06	16.29	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3,743.69	0.90	0.04	3,779.27

Notes:

Project Start Year ->	2022
Project Length (months) ->	12
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	88	77	360	360	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.74	15.06	16.29	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3,743.69	0.90	0.04	3,428.53
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.74	15.06	16.29	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3743.69	0.90	0.04	3,428.53
Total (tons/construction project)	1.74	15.06	16.29	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3743.69	0.90	0.04	3,428.53

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022 Sac Weir

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	13.13	113.95	119.97	405.80	5.80	400.00	88.33	5.13	83.20	0.29	28,272.61	6.82	0.33	28,540.28
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	13.13	113.95	119.97	405.80	5.80	400.00	88.33	5.13	83.20	0.29	28,272.61	6.82	0.33	28,540.28
Total (tons/construction project)	1.73	15.04	15.84	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3,731.98	0.90	0.04	3,767.32

Notes:

Project Start Year ->	2022
Project Length (months) ->	12
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	88	77	360	360	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022 Sac Weir

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.73	15.04	15.84	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3,731.98	0.90	0.04	3,417.69
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.73	15.04	15.84	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3731.98	0.90	0.04	3,417.69
Total (tons/construction project)	1.73	15.04	15.84	53.57	0.77	52.80	11.66	0.68	10.98	0.04	3731.98	0.90	0.04	3,417.69

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	7.77	150.16	21.76	401.35	1.35	400.00	84.18	0.98	83.20	0.29	28,272.61	6.82	0.33	28,540.28
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	7.77	150.16	21.76	401.35	1.35	400.00	84.18	0.98	83.20	0.29	28,272.61	6.82	0.33	28,540.28
Total (tons/construction project)	1.03	19.82	2.87	52.98	0.18	52.80	11.11	0.13	10.98	0.04	3,731.98	0.90	0.04	3,767.32

Notes:

Project Start Year ->	2022
Project Length (months) ->	12
Total Project Area (acres) ->	482
Maximum Area Disturbed/Day (acres) ->	40
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	88	77	360	360	3,000	120
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> 2022 Sac Weir				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	1.03	19.82	2.87	52.98	0.18	52.80	11.11	0.13	10.98	0.04	3,731.98	0.90	0.04	3,417.69
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.03	19.82	2.87	52.98	0.18	52.80	11.11	0.13	10.98	0.04	3731.98	0.90	0.04	3,417.69
Total (tons/construction project)	1.03	19.82	2.87	52.98	0.18	52.80	11.11	0.13	10.98	0.04	3731.98	0.90	0.04	3,417.69

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Barge Emissions Calculations
ARCF 2016
Sacramento Weir - 2023

Basic Assumptions	
CY per Barge[1]	909
CY Imported	75,000
Miles/ hr per barge	5
Extra Empty Trips	2
Total Hrs per Day	10
lbs/ tons	2000
lbs/MT	2204.62

	San Rafael to Rio Vista (in SFNA)	San Rafael to Rio Vista (in BAAQMD)	Rio Vista to Sac Weir (in SFNA)
No. of Barge in Tow	4	4	1
Miles (one-way)	10.4	45	47
Total Tow-Hours	**47**	**204**	**794**

	PM10	PM2.5	NOx	ROG	CO	SO2	CO2	CH4	N2O	CO2e (MT)
Two-Engine Push Boat Emissions (lb/hr)	1.61	1.44	35.71	2.09	8.97	0.01	1417.70	0.06	0.01	1422.56
Tug Boat Emissions (lb/hr)	0.37	0.33	6.47	0.54	1.90	0.00	456.06	0.02	0.00	457.63
Total Emissions for Push Boat - In SFNA (Tons)	**0.04**	**0.03**	**0.84**	**0.05**	**0.21**	**0.00**	**33.36**	**0.00**	**0.00**	**30.37**
Total Emission for Push Boat- In BAAQMD (Tons)[2]	**0.16**	**0.15**	**3.64**	**0.21**	**0.91**	**0.00**	**144.34**	**0.01**	**0.00**	**131.39**
Total Emissions for Tug Boat - In SFNA (Tons)	**0.15**	**0.13**	**2.57**	**0.22**	**0.76**	**0.00**	**181.12**	**0.01**	**0.00**	**164.88**
Sum of Emissions in SFNA (Tons)	**0.19**	**0.17**	**3.41**	**0.27**	**0.97**	**0.00**	**214.48**	**0.01**	**0.00**	**195.2**

Notes: [1] https://ihsmarkit.com/country-industry-forecasting.html?ID=106593483 , one barge has the capacity of 1500 tons and assuming 1.65 tons/cy of quarry rock

[2] BAAQMD NOx Threshold is 54 lb/day (Not relevent to General Conformity)

Seepage and Stability
Reach D
Magpie Creek
Sacramento River and NAS

Road Construction Emissions Model **Version 8.1.0**
Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Reach D Berm	
Construction Start Year	2019	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	2.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.09	miles
Total Project Area	3.50	acres
Maximum Area Disturbed/Day	0.25	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	13.00	542.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	2010 and Newer On-road Vehicles Fleet	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	Tier 4 Equipment	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml).
Will all off-road equipment be tier 4?	All Tier 4 Equipment	Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	0.20		1/1/2019
Grading/Excavation	2.00	0.80		1/1/2019
Drainage/Utilities/Sub-Grade	0.00	0.70		3/3/2019
Paving	0.00	0.30		3/3/2019
Totals (Months)	2			

Program

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	40.00		42	42	1680.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.07	0.36	1.48	0.10	0.04	0.02	1,576.79	0.00	0.05	1,592.32
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.25	1.34	5.47	0.38	0.15	0.06	5,840.06	0.01	0.19	5,897.60
Tons per const. Period - Grading/Excavation	0.01	0.03	0.12	0.01	0.00	0.00	128.48	0.00	0.00	129.75
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.03	0.12	0.01	0.00	0.00	128.48	0.00	0.00	129.75

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.07	0.36	1.48	0.10	0.04	0.02	1,576.79	0.00	0.05	1,592.32
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	10			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing			0	0.00
No. of employees: Grading/Excavation	15		30	300.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	1.19	0.13	0.05	0.02	0.00	381.71	0.01	0.01	383.53
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	1.08	2.86	0.23	0.00	0.00	0.00	85.97	0.01	0.01	89.17
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.09	0.98	0.10	0.03	0.01	0.00	258.14	0.01	0.00	259.56
Tons per const. Period - Grading/Excavation	0.00	0.02	0.00	0.00	0.00	0.00	5.68	0.00	0.00	5.71
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.02	0.00	0.00	0.00	0.00	5.68	0.00	0.00	5.71

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust			3.00		0.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.07	0.36	1.48	0.10	0.04	0.02	1,576.79	0.00	0.05	1,592.32
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			2.50	0.06	0.52	0.01
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Tier 4	Excavators	0.16	4.04	0.33	0.02	0.02	0.01	527.30	0.17	0.00	532.86
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Tier 4	Plate Compactors	0.02	0.36	0.32	0.02	0.02	0.00	34.48	0.00	0.00	34.65
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Tier 4	Rubber Tired Dozers	0.27	4.68	0.54	0.03	0.02	0.01	882.19	0.28	0.01	891.46
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	0.45	9.08	1.19	0.06	0.06	0.01	1,443.97	0.45	0.01	1,458.97
Grading/Excavation	tons per phase	0.01	0.20	0.03	0.00	0.00	0.00	31.77	0.01	0.00	32.10

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Drainage/Utilities/Sub-Grade		pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade		tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>		0.01	0.20	0.03	0.00	0.00	0.00	31.77	0.01	0.00	32.10

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Reach D Berm

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.79	11.40	6.76	2.97	0.47	2.50	0.74	0.22	0.52	0.07	7,542.17	0.47	0.21	7,616.13
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	0.79	11.40	6.76	2.97	0.47	2.50	0.74	0.22	0.52	0.07	7,542.17	0.47	0.21	7,616.13
Total (tons/construction project)	0.02	0.25	0.15	0.07	0.01	0.06	0.02	0.00	0.01	0.00	165.93	0.01	0.00	167.55

Notes:

Project Start Year ->	2019
Project Length (months) ->	2
Total Project Area (acres) ->	4
Maximum Area Disturbed/Day (acres) ->	0
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	542	0	1,680	0	300	0
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Reach D Berm

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.02	0.25	0.15	0.07	0.01	0.06	0.02	0.00	0.01	0.00	165.93	0.01	0.00	152.00
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.02	0.25	0.15	0.07	0.01	0.06	0.02	0.00	0.01	0.00	165.93	0.01	0.00	152.00
Total (tons/construction project)	0.02	0.25	0.15	0.07	0.01	0.06	0.02	0.00	0.01	0.00	165.93	0.01	0.00	152.00

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 8.1.0**
Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Beach Stone Lake Mitigation Site	
Construction Start Year	2019	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	2.00	months
Working Days per Month	20.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.33	miles
Total Project Area	30.00	acres
Maximum Area Disturbed/Day	8.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	0.00		
	Grading/Excavation	0.00		
	Drainage/Utilities/Sub-Grade	0.00		
	Paving	0.00		
Asphalt	Grubbing/Land Clearing	0.00		
	Grading/Excavation	0.00		
	Drainage/Utilities/Sub-Grade	0.00		
	Paving	0.00		

Mitigation Options

On-road Fleet Emissions Mitigation		Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation		Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	0.20		1/1/2019
Grading/Excavation	4.00	0.80		1/1/2019
Drainage/Utilities/Sub-Grade	0.00	0.70		5/3/2019
Paving	0.00	0.30		5/3/2019
Totals (Months)	Program	4		

Please note: You have entered a different number of months than the project length shown in cell D16.
Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	0.00			0	0.00
Miles/round trip: Grading/Excavation	0.00			0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade	0.00			0	0.00
Miles/round trip: Paving	0.00			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.07	0.36	1.48	0.10	0.04	0.02	1,576.79	0.00	0.05	1,592.32
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.07	0.36	1.48	0.10	0.04	0.02	1,576.79	0.00	0.05	1,592.32
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip				
One-way trips/day				
No. of employees: Grubbing/Land Clearing			0	0.00
No. of employees: Grading/Excavation	9		0	0.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	1.19	0.13	0.05	0.02	0.00	381.71	0.01	0.01	383.53
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	1.08	2.86	0.23	0.00	0.00	0.00	85.97	0.01	0.01	89.17
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust	1		10.00		10.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.07	0.36	1.48	0.10	0.04	0.02	1,576.79	0.00	0.05	1,592.32
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.01	0.03	0.00	0.00	0.00	34.76	0.00	0.00	35.10
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	1.40
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	1.40

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation	8.00		80.00	3.20	16.64	0.67
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Crawler Tractors	0.60	2.53	7.84	0.30	0.27	0.01	762.62	0.24	0.01	770.66
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	0.60	2.53	7.84	0.30	0.27	0.01	762.62	0.24	0.01	770.66
Grading/Excavation	tons per phase	0.02	0.10	0.31	0.01	0.01	0.00	30.50	0.01	0.00	30.83

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Drainage/Utilities/Sub-Grade	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>		0.02	0.10	0.31	0.01	0.01	0.00	30.50	0.01	0.00	30.83

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Beach Stone Lake Mitigation Site

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.60	2.54	7.88	80.30	0.30	80.00	16.91	0.27	16.64	0.01	797.38	0.24	0.01	805.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	0.60	2.54	7.88	80.30	0.30	80.00	16.91	0.27	16.64	0.01	797.38	0.24	0.01	805.77
Total (tons/construction project)	0.02	0.10	0.32	3.21	0.01	3.20	0.68	0.01	0.67	0.00	31.90	0.01	0.00	32.23

Notes:

Project Start Year ->	2019
Project Length (months) ->	2
Total Project Area (acres) ->	30
Maximum Area Disturbed/Day (acres) ->	8
Water Truck Used? ->	Yes

Phase	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	0	0	0	0	0	10
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Beach Stone Lake Mitigation Site

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.02	0.10	0.32	3.21	0.01	3.20	0.68	0.01	0.67	0.00	31.90	0.01	0.00	29.24
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.02	0.10	0.32	3.21	0.01	3.20	0.68	0.01	0.67	0.00	31.90	0.01	0.00	29.24
Total (tons/construction project)	0.02	0.10	0.32	3.21	0.01	3.20	0.68	0.01	0.67	0.00	31.90	0.01	0.00	29.24

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 8.1.0**

Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Magpie Creek	
Construction Start Year	2022	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	3.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.59	miles
Total Project Area	4.00	acres
Maximum Area Disturbed/Day	1.00	acre
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	2705.00	150.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing	15.00	0.00	0.00
	Grading/Excavation	15.00	450.00	0.00
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	0.30		1/1/2022
Grading/Excavation	3.00	1.35	4/15/2022	1/1/2022
Drainage/Utilities/Sub-Grade	0.00	0.90		4/3/2022
Paving	0.00	0.45		4/3/2022
Totals (Months)	3			

Program

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	0.00			0	0.00
Miles/round trip: Grading/Excavation	97.00			191	18527.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	4.00	17.53	132.03	4.59	2.02	0.62	65,213.72	0.19	2.21	65,877.33
Tons per const. Period - Grading/Excavation	0.13	0.58	4.36	0.15	0.07	0.02	2,152.05	0.01	0.07	2,173.95
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.13	0.58	4.36	0.15	0.07	0.02	2,152.05	0.01	0.07	2,173.95

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	0.00			0	0.00
Miles/round trip: Grading/Excavation	100.00			30	3000.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.65	2.84	21.38	0.74	0.33	0.10	10,559.79	0.03	0.36	10,667.24
Tons per const. Period - Grading/Excavation	0.02	0.09	0.71	0.02	0.01	0.00	348.47	0.00	0.01	352.02
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.02	0.09	0.71	0.02	0.01	0.00	348.47	0.00	0.01	352.02

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	0		0	0.00
No. of employees: Grading/Excavation	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.40	6.75	0.66	0.31	0.13	0.02	2,329.85	0.05	0.03	2,339.21
Tons per const. Period - Grading/Excavation	0.01	0.22	0.02	0.01	0.00	0.00	76.88	0.00	0.00	77.19
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.22	0.02	0.01	0.00	0.00	76.88	0.00	0.00	77.19

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	0		0.00		0.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.01	0.04	0.29	0.01	0.00	0.00	140.80	0.00	0.00	142.23
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	4.65	0.00	0.00	4.69
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	4.65	0.00	0.00	4.69

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			10.00	0.33	2.08	0.07
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Cement and Mortar Mixers	0.06	0.31	0.37	0.01	0.01	0.00	50.52	0.01	0.00	50.77
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Cranes	0.36	1.85	4.09	0.17	0.16	0.01	546.73	0.18	0.00	552.63
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.42	6.72	3.67	0.18	0.16	0.01	1,031.68	0.33	0.01	1,042.80
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.33	3.68	2.93	0.15	0.15	0.01	623.04	0.03	0.00	625.17
1.00			Model Default Tier	Graders	0.56	4.42	5.22	0.29	0.27	0.01	605.60	0.20	0.01	612.11
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Off-Highway Trucks	1.05	6.68	7.99	0.29	0.27	0.03	2,545.25	0.82	0.02	2,572.65
2.00			Model Default Tier	Other Construction Equipment	0.75	8.04	7.63	0.40	0.37	0.01	1,196.66	0.39	0.01	1,209.59
2.00			Model Default Tier	Other General Industrial Equipment	0.36	3.87	3.38	0.21	0.19	0.01	496.04	0.16	0.00	501.39
10.00			Model Default Tier	Other Material Handling Equipment	2.66	37.42	22.31	1.21	1.11	0.06	5,563.46	1.80	0.05	5,623.44
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Rollers	0.34	3.77	3.49	0.20	0.19	0.01	514.56	0.17	0.00	520.10
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Rubber Tired Dozers	1.71	14.01	17.30	0.79	0.73	0.02	1,724.53	0.56	0.02	1,743.06
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Scrapers	0.81	6.29	8.82	0.34	0.32	0.02	1,450.26	0.47	0.01	1,465.90
3.00			Model Default Tier	Signal Boards	0.17	0.90	1.08	0.04	0.04	0.00	147.94	0.02	0.00	148.69
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Surfacing Equipment	0.18	1.56	2.09	0.08	0.07	0.01	632.36	0.20	0.01	639.18
1.00			Model Default Tier	Sweepers/Scrubbers	0.19	1.92	1.80	0.12	0.11	0.00	246.18	0.08	0.00	248.83
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.33	4.52	3.39	0.18	0.17	0.01	608.69	0.20	0.01	615.24
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Welders	0.55	3.39	2.93	0.13	0.13	0.01	414.96	0.05	0.00	417.23

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	10.83	109.35	98.48	4.79	4.44	0.19	18,398.45	5.65	0.16	18,588.79
Grading/Excavation	tons per phase	0.36	3.61	3.25	0.16	0.15	0.01	607.15	0.19	0.01	613.43

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			0.36	3.61	3.25	0.16	0.15	0.01	607.15	0.19	0.01	613.43

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Magpie Creek

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	15.88	136.50	252.83	20.44	10.44	10.00	9.00	6.92	2.08	0.94	96,642.60	5.92	2.77	97,614.80
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	15.88	136.50	252.83	20.44	10.44	10.00	9.00	6.92	2.08	0.94	96,642.60	5.92	2.77	97,614.80
Total (tons/construction project)	0.52	4.50	8.34	0.67	0.34	0.33	0.30	0.23	0.07	0.03	3,189.21	0.20	0.09	3,221.29

Notes:

Project Start Year ->	2022
Project Length (months) ->	3
Total Project Area (acres) ->	4
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	2,855	450	18,527	3,000	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Magpie Creek

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.52	4.50	8.34	0.67	0.34	0.33	0.30	0.23	0.07	0.03	3,189.21	0.20	0.09	2,922.33
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.52	4.50	8.34	0.67	0.34	0.33	0.30	0.23	0.07	0.03	3189.21	0.20	0.09	2,922.33
Total (tons/construction project)	0.52	4.50	8.34	0.67	0.34	0.33	0.30	0.23	0.07	0.03	3189.21	0.20	0.09	2,922.33

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Magpie Creek

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	14.41	133.77	165.24	19.98	9.98	10.00	8.55	6.47	2.08	0.92	94,365.11	5.85	2.61	95,290.40
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	14.41	133.77	165.24	19.98	9.98	10.00	8.55	6.47	2.08	0.92	94,365.11	5.85	2.61	95,290.40
Total (tons/construction project)	0.48	4.41	5.45	0.66	0.33	0.33	0.28	0.21	0.07	0.03	3,114.05	0.19	0.09	3,144.58

Notes:

Project Start Year ->	2022
Project Length (months) ->	3
Total Project Area (acres) ->	4
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	2,855	450	18,527	3,000	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Magpie Creek

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.48	4.41	5.45	0.66	0.33	0.33	0.28	0.21	0.07	0.03	3,114.05	0.19	0.09	2,852.75
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.48	4.41	5.45	0.66	0.33	0.33	0.28	0.21	0.07	0.03	3114.05	0.19	0.09	2,852.75
Total (tons/construction project)	0.48	4.41	5.45	0.66	0.33	0.33	0.28	0.21	0.07	0.03	3114.05	0.19	0.09	2,852.75

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Magpie Creek

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	9.43	150.30	83.82	15.87	5.87	10.00	4.75	2.67	2.08	0.92	94,365.11	5.85	2.61	95,290.40
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	9.43	150.30	83.82	15.87	5.87	10.00	4.75	2.67	2.08	0.92	94,365.11	5.85	2.61	95,290.40
Total (tons/construction project)	0.31	4.96	2.77	0.52	0.19	0.33	0.16	0.09	0.07	0.03	3,114.05	0.19	0.09	3,144.58

Notes:

Project Start Year ->	2022
Project Length (months) ->	3
Total Project Area (acres) ->	4
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	2,855	450	18,527	3,000	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Magpie Creek

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.31	4.96	2.77	0.52	0.19	0.33	0.16	0.09	0.07	0.03	3,114.05	0.19	0.09	2,852.75
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.31	4.96	2.77	0.52	0.19	0.33	0.16	0.09	0.07	0.03	3114.05	0.19	0.09	2,852.75
Total (tons/construction project)	0.31	4.96	2.77	0.52	0.19	0.33	0.16	0.09	0.07	0.03	3114.05	0.19	0.09	2,852.75

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 1: 2020 Berms and Relief Wells	
Construction Start Year	2020	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	4.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.23	miles
Total Project Area	8.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	15.00	208.00	54.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	0.40		1/1/2020
Grading/Excavation	4.00	1.80	5/30/2020	1/1/2020
Drainage/Utilities/Sub-Grade	0.00	1.20		5/2/2020
Paving	0.00	0.60		5/2/2020
Totals (Months)	4			

Program

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions **User Input**	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	34.00			18	612.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.14	0.59	5.57	0.16	0.07	0.02	2,201.55	0.01	0.07	2,223.95
Tons per const. Period - Grading/Excavation	0.01	0.03	0.25	0.01	0.00	0.00	96.87	0.00	0.00	97.85
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.03	0.25	0.01	0.00	0.00	96.87	0.00	0.00	97.85

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions **User Input**	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	0		0	0.00
No. of employees: Grading/Excavation	30		60	1,200.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	1.08	0.11	0.05	0.02	0.00	371.46	0.01	0.00	373.08
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	1.00	2.55	0.20	0.00	0.00	0.00	84.03	0.01	0.01	86.84
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.19	3.18	0.33	0.12	0.05	0.01	993.84	0.02	0.01	998.48
Tons per const. Period - Grading/Excavation	0.01	0.14	0.01	0.01	0.00	0.00	43.73	0.00	0.00	43.93
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.14	0.01	0.01	0.00	0.00	43.73	0.00	0.00	43.93

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.01	0.04	0.36	0.01	0.00	0.00	143.89	0.00	0.00	145.36
Tons per const. Period - Grading/Excavation	0.00	0.00	0.02	0.00	0.00	0.00	6.33	0.00	0.00	6.40
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.02	0.00	0.00	0.00	6.33	0.00	0.00	6.40

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			50.00	2.20	10.40	0.46
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Bore/Drill Rigs	1.29	9.70	16.42	0.47	0.44	0.04	4,240.28	1.37	0.04	4,286.14
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.63	8.43	6.22	0.30	0.28	0.01	1,289.86	0.42	0.01	1,303.77
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.50	4.63	4.35	0.25	0.25	0.01	778.79	0.04	0.01	781.64
4.00			Model Default Tier	Graders	3.59	22.91	34.99	1.95	1.80	0.03	3,024.69	0.98	0.03	3,057.20
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.58	14.38	15.80	1.01	0.93	0.02	1,929.32	0.62	0.02	1,950.11
2.00			Model Default Tier	Rough Terrain Forklifts	0.33	5.74	4.32	0.18	0.17	0.01	834.20	0.27	0.01	843.19
4.00			Model Default Tier	Rubber Tired Dozers	4.81	39.68	50.74	2.33	2.14	0.04	4,315.35	1.40	0.04	4,361.71
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.34	2.48	2.91	0.23	0.22	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.53	5.76	5.32	0.34	0.31	0.01	759.67	0.25	0.01	767.85
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	14.03	115.97	143.77	7.17	6.62	0.19	17,849.74	5.48	0.16	18,034.37
Grading/Excavation	tons per phase	0.62	5.10	6.33	0.32	0.29	0.01	785.39	0.24	0.01	793.51

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			0.62	5.10	6.33	0.32	0.29	0.01	785.39	0.24	0.01	793.51

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 1: 2020 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	14.37	119.78	150.03	57.46	7.46	50.00	17.15	6.75	10.40	0.22	21,189.03	5.52	0.25	21,402.16
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	14.37	119.78	150.03	57.46	7.46	50.00	17.15	6.75	10.40	0.22	21,189.03	5.52	0.25	21,402.16
Total (tons/construction project)	0.63	5.27	6.60	2.53	0.33	2.20	0.75	0.30	0.46	0.01	932.32	0.24	0.01	941.70

Notes:

Project Start Year ->	2020
Project Length (months) ->	4
Total Project Area (acres) ->	8
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	262	0	612	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 1: 2020 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.63	5.27	6.60	2.53	0.33	2.20	0.75	0.30	0.46	0.01	932.32	0.24	0.01	854.30
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.63	5.27	6.60	2.53	0.33	2.20	0.75	0.30	0.46	0.01	932.32	0.24	0.01	854.30
Total (tons/construction project)	0.63	5.27	6.60	2.53	0.33	2.20	0.75	0.30	0.46	0.01	932.32	0.24	0.01	854.30

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 1: 2020 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	14.32	119.68	146.20	57.44	7.44	50.00	17.13	6.73	10.40	0.22	21,102.20	5.51	0.25	21,313.73
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	14.32	119.68	146.20	57.44	7.44	50.00	17.13	6.73	10.40	0.22	21,102.20	5.51	0.25	21,313.73
Total (tons/construction project)	0.63	5.27	6.43	2.53	0.33	2.20	0.75	0.30	0.46	0.01	928.50	0.24	0.01	937.80

Notes:

Project Start Year ->	2020
Project Length (months) ->	4
Total Project Area (acres) ->	8
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	262	0	612	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 1: 2020 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.63	5.27	6.43	2.53	0.33	2.20	0.75	0.30	0.46	0.01	928.50	0.24	0.01	850.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.63	5.27	6.43	2.53	0.33	2.20	0.75	0.30	0.46	0.01	928.50	0.24	0.01	850.77
Total (tons/construction project)	0.63	5.27	6.43	2.53	0.33	2.20	0.75	0.30	0.46	0.01	928.50	0.24	0.01	850.77

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 1: 2020 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	5.98	116.15	18.83	51.02	1.02	50.00	11.20	0.80	10.40	0.22	21,102.20	5.51	0.25	21,313.73
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	5.98	116.15	18.83	51.02	1.02	50.00	11.20	0.80	10.40	0.22	21,102.20	5.51	0.25	21,313.73
Total (tons/construction project)	0.26	5.11	0.83	2.24	0.04	2.20	0.49	0.04	0.46	0.01	928.50	0.24	0.01	937.80

Notes:

Project Start Year ->	2020
Project Length (months) ->	4
Total Project Area (acres) ->	8
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	262	0	612	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 1: 2020 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.26	5.11	0.83	2.24	0.04	2.20	0.49	0.04	0.46	0.01	928.50	0.24	0.01	850.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.26	5.11	0.83	2.24	0.04	2.20	0.49	0.04	0.46	0.01	928.50	0.24	0.01	850.77
Total (tons/construction project)	0.26	5.11	0.83	2.24	0.04	2.20	0.49	0.04	0.46	0.01	928.50	0.24	0.01	850.77

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall	
Construction Start Year	2020	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	7.80	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	2.65	miles
Total Project Area	64.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	40.00
	Grading/Excavation	15.00	1958.00	54.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.80	0.78	4/15/2020	1/1/2020
Grading/Excavation	7.00	3.51	5/10/2020	1/26/2020
Drainage/Utilities/Sub-Grade	0.00	2.34		8/26/2020
Paving	0.00	1.17		8/26/2020
Totals (Months)	8			

Program

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	26.00			3	78.00
Miles/round trip: Grading/Excavation	41.00			135	5535.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Grading/Excavation (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.07	0.71	0.02	0.01	0.00	280.59	0.00	0.01	283.44
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	2.47	0.00	0.00	2.49
Pounds per day - Grading/Excavation	1.29	5.32	50.38	1.43	0.65	0.19	19,911.10	0.06	0.67	20,113.64
Tons per const. Period - Grading/Excavation	0.10	0.41	3.88	0.11	0.05	0.01	1,533.15	0.00	0.05	1,548.75
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.10	0.41	3.89	0.11	0.05	0.01	1,535.62	0.00	0.05	1,551.24

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Grading/Excavation (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	14		28	560.00
No. of employees: Grading/Excavation	100		200	4,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	1.08	0.11	0.05	0.02	0.00	371.46	0.01	0.00	373.08
Grading/Excavation (grams/mile)	0.02	1.08	0.11	0.05	0.02	0.00	371.46	0.01	0.00	373.08
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	1.00	2.55	0.20	0.00	0.00	0.00	84.03	0.01	0.01	86.84
Grading/Excavation (grams/trip)	1.00	2.55	0.20	0.00	0.00	0.00	84.03	0.01	0.01	86.84
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.09	1.49	0.15	0.06	0.02	0.00	463.79	0.01	0.01	465.96
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	4.08	0.00	0.00	4.10
Pounds per day - Grading/Excavation	0.62	10.61	1.09	0.41	0.17	0.03	3,312.80	0.08	0.05	3,328.28
Tons per const. Period - Grading/Excavation	0.05	0.82	0.08	0.03	0.01	0.00	255.09	0.01	0.00	256.28
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.05	0.83	0.09	0.03	0.01	0.00	259.17	0.01	0.00	260.38

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	2		40.00		80.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Grading/Excavation (grams/mile)	0.11	0.44	4.13	0.12	0.05	0.02	1,631.71	0.00	0.06	1,648.31
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.36	0.01	0.00	0.00	143.89	0.00	0.00	145.36
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	1.28
Pounds per day - Grading/Excavation	0.02	0.08	0.73	0.02	0.01	0.00	287.78	0.00	0.01	290.71
Tons per const. Period - Grading/Excavation	0.00	0.01	0.06	0.00	0.00	0.00	22.16	0.00	0.00	22.38
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.06	0.00	0.00	0.00	23.43	0.00	0.00	23.66

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			50.00	0.44	10.40	0.09
Fugitive Dust - Grading/Excavation			50.00	3.85	10.40	0.80
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Cranes	1.11	5.17	13.19	0.54	0.50	0.01	1,366.74	0.44	0.01	1,381.47
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.63	8.43	6.22	0.30	0.28	0.01	1,289.86	0.42	0.01	1,303.77
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Signal Boards	0.07	0.38	0.45	0.02	0.02	0.00	61.64	0.01	0.00	61.96
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.34	2.48	2.91	0.23	0.22	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.53	5.76	5.32	0.34	0.31	0.01	759.67	0.25	0.01	767.85
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		2.68	22.22	28.09	1.43	1.32	0.04	3,785.64	1.21	0.03	3,826.08
	Grubbing/Land Clearing	tons per phase		0.02	0.20	0.25	0.01	0.01	0.00	33.31	0.01	0.00	33.67

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Bore/Drill Rigs	1.29	9.70	16.42	0.47	0.44	0.04	4,240.28	1.37	0.04	4,286.14
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	2.22	10.35	26.37	1.09	1.00	0.03	2,733.48	0.88	0.02	2,762.94
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00			Model Default Tier	Excavators	3.16	42.14	31.11	1.51	1.39	0.07	6,449.32	2.09	0.06	6,518.84
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.50	4.63	4.35	0.25	0.25	0.01	778.79	0.04	0.01	781.64
4.00			Model Default Tier	Graders	3.59	22.91	34.99	1.95	1.80	0.03	3,024.69	0.98	0.03	3,057.20
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.00			Model Default Tier	Other Material Handling Equipment	5.94	74.72	55.76	2.78	2.56	0.12	11,126.92	3.60	0.10	11,246.88
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.58	14.38	15.80	1.01	0.93	0.02	1,929.32	0.62	0.02	1,950.11
10.00			Model Default Tier	Rough Terrain Forklifts	1.67	28.71	21.62	0.90	0.83	0.04	4,171.01	1.35	0.04	4,215.97
10.00			Model Default Tier	Rubber Tired Dozers	12.03	99.20	126.85	5.83	5.36	0.11	10,788.37	3.49	0.10	10,904.27
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.34	2.48	2.91	0.23	0.22	0.00	307.72	0.10	0.00	311.03
6.00			Model Default Tier	Tractors/Loaders/Backhoes	1.59	17.27	15.95	1.01	0.93	0.02	2,279.02	0.74	0.02	2,303.56
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	34.33	328.75	354.84	17.13	15.79	0.50	48,198.77	15.30	0.43	48,710.31
	Grading/Excavation	tons per phase	2.64	25.31	27.32	1.32	1.22	0.04	3,711.31	1.18	0.03	3,750.69

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			2.67	25.51	27.57	1.33	1.23	0.04	3,744.62	1.19	0.03	3,784.36

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.79	23.82	29.31	51.52	1.52	50.00	11.76	1.36	10.40	0.05	4,673.91	1.22	0.05	4,720.84
Grading/Excavation	36.25	344.76	407.03	68.99	18.99	50.00	27.03	16.63	10.40	0.72	71,710.46	15.44	1.16	72,442.94
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	36.25	344.76	407.03	68.99	18.99	50.00	27.03	16.63	10.40	0.72	71,710.46	15.44	1.16	72,442.94
Total (tons/construction project)	2.82	26.76	31.60	5.77	1.48	4.29	2.18	1.29	0.89	0.06	5,562.84	1.20	0.09	5,619.65

Notes:

Project Start Year ->	2020
Project Length (months) ->	8
Total Project Area (acres) ->	64
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	40	0	78	0	560	40
Grading/Excavation	2,012	0	5,535	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.21	0.26	0.45	0.01	0.44	0.10	0.01	0.09	0.00	41.13	0.01	0.00	37.69
Grading/Excavation	2.79	26.55	31.34	5.31	1.46	3.85	2.08	1.28	0.80	0.06	5,521.71	1.19	0.09	5,060.43
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	2.79	26.55	31.34	5.31	1.46	3.85	2.08	1.28	0.80	0.06	5521.71	1.19	0.09	5,060.43
Total (tons/construction project)	2.82	26.76	31.60	5.77	1.48	4.29	2.18	1.29	0.89	0.06	5562.84	1.20	0.09	5,098.11

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.78	23.80	28.62	51.52	1.52	50.00	11.75	1.35	10.40	0.05	4,658.20	1.22	0.05	4,704.84
Grading/Excavation	35.78	343.91	374.04	68.82	18.82	50.00	26.86	16.46	10.40	0.72	70,962.71	15.42	1.12	71,681.37
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	35.78	343.91	374.04	68.82	18.82	50.00	26.86	16.46	10.40	0.72	70,962.71	15.42	1.12	71,681.37
Total (tons/construction project)	2.78	26.69	29.05	5.75	1.46	4.29	2.17	1.28	0.89	0.06	5,505.12	1.20	0.09	5,560.87

Notes:

Project Start Year ->	2020
Project Length (months) ->	8
Total Project Area (acres) ->	64
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	40	0	78	0	560	40
Grading/Excavation	2,012	0	5,535	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.21	0.25	0.45	0.01	0.44	0.10	0.01	0.09	0.00	40.99	0.01	0.00	37.56
Grading/Excavation	2.76	26.48	28.80	5.30	1.45	3.85	2.07	1.27	0.80	0.06	5,464.13	1.19	0.09	5,007.23
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	2.76	26.48	28.80	5.30	1.45	3.85	2.07	1.27	0.80	0.06	5464.13	1.19	0.09	5,007.23
Total (tons/construction project)	2.78	26.69	29.05	5.75	1.46	4.29	2.17	1.28	0.89	0.06	5505.12	1.20	0.09	5,044.79

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.34	28.17	5.43	50.24	0.24	50.00	10.58	0.18	10.40	0.05	4,658.20	1.22	0.05	4,704.84
Grading/Excavation	16.74	343.24	54.81	53.39	3.39	50.00	12.64	2.24	10.40	0.72	70,962.71	15.42	1.12	71,681.37
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	16.74	343.24	54.81	53.39	3.39	50.00	12.64	2.24	10.40	0.72	70,962.71	15.42	1.12	71,681.37
Total (tons/construction project)	1.30	26.68	4.27	4.55	0.26	4.29	1.07	0.17	0.89	0.06	5,505.12	1.20	0.09	5,560.87

Notes:

Project Start Year ->	2020
Project Length (months) ->	8
Total Project Area (acres) ->	64
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	40	0	78	0	560	40
Grading/Excavation	2,012	0	5,535	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 1: 2020 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.25	0.05	0.44	0.00	0.44	0.09	0.00	0.09	0.00	40.99	0.01	0.00	37.56
Grading/Excavation	1.29	26.43	4.22	4.11	0.26	3.85	0.97	0.17	0.80	0.06	5,464.13	1.19	0.09	5,007.23
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.29	26.43	4.22	4.11	0.26	3.85	0.97	0.17	0.80	0.06	5464.13	1.19	0.09	5,007.23
Total (tons/construction project)	1.30	26.68	4.27	4.55	0.26	4.29	1.07	0.17	0.89	0.06	5505.12	1.20	0.09	5,044.79

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 2: 2021 Berms and Relief Wells	
Construction Start Year	2021	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	4.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.25	miles
Total Project Area	3.00	acres
Maximum Area Disturbed/Day	3.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	15.00	272.00	71.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	0.40	8/1/2020	1/1/2021
Grading/Excavation	4.00	1.80	5/30/2021	1/1/2021
Drainage/Utilities/Sub-Grade	0.00	1.20	9/22/2020	5/3/2021
Paving	0.00	0.60	10/30/2020	5/3/2021
Totals (Months)	Program	4		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	0.00			0	0.00
Miles/round trip: Grading/Excavation	34.00			23	782.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.18	0.75	6.28	0.20	0.09	0.03	2,783.42	0.01	0.09	2,811.74
Tons per const. Period - Grading/Excavation	0.01	0.03	0.28	0.01	0.00	0.00	122.47	0.00	0.00	123.72
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.03	0.28	0.01	0.00	0.00	122.47	0.00	0.00	123.72

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	0		0	0.00
No. of employees: Grading/Excavation	30		60	1,200.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.17	2.92	0.29	0.12	0.05	0.01	963.31	0.02	0.01	967.47
Tons per const. Period - Grading/Excavation	0.01	0.13	0.01	0.01	0.00	0.00	42.39	0.00	0.00	42.57
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.13	0.01	0.01	0.00	0.00	42.39	0.00	0.00	42.57

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.01	0.04	0.32	0.01	0.00	0.00	142.37	0.00	0.00	143.82
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	6.26	0.00	0.00	6.33
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	6.26	0.00	0.00	6.33

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			30.00	1.32	6.24	0.27
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.59	8.44	5.55	0.27	0.25	0.01	1,290.05	0.42	0.01	1,303.96
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.45	4.61	3.96	0.21	0.21	0.01	778.79	0.04	0.01	781.53
4.00			Model Default Tier	Graders	3.20	22.52	30.62	1.71	1.57	0.03	3,027.78	0.98	0.03	3,060.33
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.44	14.28	14.61	0.89	0.82	0.02	1,929.49	0.62	0.02	1,950.28
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Rubber Tired Dozers	4.43	36.35	45.70	2.09	1.92	0.04	4,308.42	1.39	0.04	4,354.71
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.29	2.44	2.57	0.19	0.17	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.47	5.71	4.79	0.28	0.26	0.01	760.01	0.25	0.01	768.19
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	11.29	96.60	110.50	5.74	5.31	0.13	12,772.12	3.84	0.11	12,901.77
Grading/Excavation	tons per phase	0.50	4.25	4.86	0.25	0.23	0.01	561.97	0.17	0.00	567.68

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			0.50	4.25	4.86	0.25	0.23	0.01	561.97	0.17	0.00	567.68

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 2: 2021 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	11.65	100.30	117.40	36.08	6.08	30.00	11.70	5.46	6.24	0.17	16,661.23	3.87	0.22	16,824.81
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	11.65	100.30	117.40	36.08	6.08	30.00	11.70	5.46	6.24	0.17	16,661.23	3.87	0.22	16,824.81
Total (tons/construction project)	0.51	4.41	5.17	1.59	0.27	1.32	0.51	0.24	0.27	0.01	733.09	0.17	0.01	740.29

Notes:

Project Start Year ->	2021
Project Length (months) ->	4
Total Project Area (acres) ->	3
Maximum Area Disturbed/Day (acres) ->	3
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	343	0	782	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 2: 2021 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.51	4.41	5.17	1.59	0.27	1.32	0.51	0.24	0.27	0.01	733.09	0.17	0.01	671.59
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.51	4.41	5.17	1.59	0.27	1.32	0.51	0.24	0.27	0.01	733.09	0.17	0.01	671.59
Total (tons/construction project)	0.51	4.41	5.17	1.59	0.27	1.32	0.51	0.24	0.27	0.01	733.09	0.17	0.01	671.59

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 2: 2021 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	11.58	100.19	113.38	36.05	6.05	30.00	11.67	5.43	6.24	0.17	16,561.68	3.86	0.22	16,723.34
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	11.58	100.19	113.38	36.05	6.05	30.00	11.67	5.43	6.24	0.17	16,561.68	3.86	0.22	16,723.34
Total (tons/construction project)	0.51	4.41	4.99	1.59	0.27	1.32	0.51	0.24	0.27	0.01	728.71	0.17	0.01	735.83

Notes:

Project Start Year ->	2021
Project Length (months) ->	4
Total Project Area (acres) ->	3
Maximum Area Disturbed/Day (acres) ->	3
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	343	0	782	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 2: 2021 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.51	4.41	4.99	1.59	0.27	1.32	0.51	0.24	0.27	0.01	728.71	0.17	0.01	667.54
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.51	4.41	4.99	1.59	0.27	1.32	0.51	0.24	0.27	0.01	728.71	0.17	0.01	667.54
Total (tons/construction project)	0.51	4.41	4.99	1.59	0.27	1.32	0.51	0.24	0.27	0.01	728.71	0.17	0.01	667.54

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 2: 2021 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	4.37	85.89	16.03	30.89	0.89	30.00	6.90	0.66	6.24	0.17	16,561.68	3.86	0.22	16,723.34
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	4.37	85.89	16.03	30.89	0.89	30.00	6.90	0.66	6.24	0.17	16,561.68	3.86	0.22	16,723.34
Total (tons/construction project)	0.19	3.78	0.71	1.36	0.04	1.32	0.30	0.03	0.27	0.01	728.71	0.17	0.01	735.83

Notes:

Project Start Year ->	2021
Project Length (months) ->	4
Total Project Area (acres) ->	3
Maximum Area Disturbed/Day (acres) ->	3
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	343	0	782	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 2: 2021 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.19	3.78	0.71	1.36	0.04	1.32	0.30	0.03	0.27	0.01	728.71	0.17	0.01	667.54
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.19	3.78	0.71	1.36	0.04	1.32	0.30	0.03	0.27	0.01	728.71	0.17	0.01	667.54
Total (tons/construction project)	0.19	3.78	0.71	1.36	0.04	1.32	0.30	0.03	0.27	0.01	728.71	0.17	0.01	667.54

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 8.1.0**
Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall	
Construction Start Year	2021	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	7.20	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	2.20	miles
Total Project Area	69.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	35.00
	Grading/Excavation	15.00	1978.00	37.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.80	0.72	4/1/2021	1/1/2021
Grading/Excavation	6.40	3.24	4/15/2021	1/26/2021
Drainage/Utilities/Sub-Grade	0.00	2.16	9/22/2021	8/9/2021
Paving	0.00	1.08	10/30/2021	8/9/2021
Totals (Months)	Program	7		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	26.00			3	78.00
Miles/round trip: Grading/Excavation	41.00			135	5535.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.07	0.63	0.02	0.01	0.00	277.63	0.00	0.01	280.45
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	2.44	0.00	0.00	2.47
Pounds per day - Grading/Excavation	1.24	5.28	44.48	1.40	0.63	0.19	19,701.07	0.06	0.67	19,901.52
Tons per const. Period - Grading/Excavation	0.09	0.37	3.13	0.10	0.04	0.01	1,386.96	0.00	0.05	1,401.07
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.09	0.37	3.14	0.10	0.04	0.01	1,389.40	0.00	0.05	1,403.53

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	14		28	560.00
No. of employees: Grading/Excavation	100		200	4,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Grading/Excavation (grams/mile)	0.02	0.99	0.10	0.05	0.02	0.00	360.03	0.01	0.00	361.48
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Grading/Excavation (grams/trip)	0.93	2.28	0.18	0.00	0.00	0.00	81.88	0.01	0.01	84.35
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.08	1.36	0.14	0.06	0.02	0.00	449.55	0.01	0.01	451.49
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	3.96	0.00	0.00	3.97
Pounds per day - Grading/Excavation	0.58	9.74	0.97	0.41	0.17	0.03	3,211.04	0.07	0.04	3,224.91
Tons per const. Period - Grading/Excavation	0.04	0.69	0.07	0.03	0.01	0.00	226.06	0.01	0.00	227.03
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.04	0.70	0.07	0.03	0.01	0.00	230.01	0.01	0.00	231.01

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	2		40.00		80.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Grading/Excavation (grams/mile)	0.10	0.43	3.65	0.11	0.05	0.02	1,614.50	0.00	0.05	1,630.92
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.32	0.01	0.00	0.00	142.37	0.00	0.00	143.82
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	1.27
Pounds per day - Grading/Excavation	0.02	0.08	0.64	0.02	0.01	0.00	284.75	0.00	0.01	287.65
Tons per const. Period - Grading/Excavation	0.00	0.01	0.05	0.00	0.00	0.00	20.05	0.00	0.00	20.25
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.05	0.00	0.00	0.00	21.30	0.00	0.00	21.52

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			50.00	0.44	10.40	0.09
Fugitive Dust - Grading/Excavation			50.00	3.52	10.40	0.73
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Cranes	1.01	4.85	11.86	0.48	0.44	0.01	1,366.61	0.44	0.01	1,381.34
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.59	8.44	5.55	0.27	0.25	0.01	1,290.05	0.42	0.01	1,303.96
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Signal Boards	0.07	0.38	0.45	0.02	0.02	0.00	61.64	0.01	0.00	61.96
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.29	2.44	2.57	0.19	0.17	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.47	5.71	4.79	0.28	0.26	0.01	760.01	0.25	0.01	768.19
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grubbing/Land Clearing	pounds per day	2.43	21.81	25.22	1.24	1.14	0.04	3,786.04	1.21	0.03	3,826.48
	Grubbing/Land Clearing	tons per phase	0.02	0.19	0.22	0.01	0.01	0.00	33.32	0.01	0.00	33.67

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Bore/Drill Rigs	1.20	9.67	14.09	0.43	0.39	0.04	4,250.79	1.38	0.04	4,296.74
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	2.02	9.70	23.72	0.96	0.89	0.03	2,733.23	0.88	0.02	2,762.68
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00			Model Default Tier	Excavators	2.96	42.19	27.77	1.35	1.24	0.07	6,450.27	2.09	0.06	6,519.82
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.45	4.61	3.96	0.21	0.21	0.01	778.79	0.04	0.01	781.53
4.00			Model Default Tier	Graders	3.20	22.52	30.62	1.71	1.57	0.03	3,027.78	0.98	0.03	3,060.33
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.00			Model Default Tier	Other Material Handling Equipment	5.86	75.32	52.93	2.68	2.47	0.12	11,126.92	3.60	0.10	11,246.88
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.44	14.28	14.61	0.89	0.82	0.02	1,929.49	0.62	0.02	1,950.28
10.00			Model Default Tier	Rough Terrain Forklifts	1.54	28.68	20.15	0.78	0.72	0.04	4,172.12	1.35	0.04	4,217.08
10.00			Model Default Tier	Rubber Tired Dozers	11.07	90.87	114.26	5.22	4.80	0.11	10,771.06	3.48	0.10	10,886.78
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.29	2.44	2.57	0.19	0.17	0.00	307.72	0.10	0.00	311.03
6.00			Model Default Tier	Tractors/Loaders/Backhoes	1.42	17.13	14.37	0.85	0.78	0.02	2,280.02	0.74	0.02	2,304.56
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	31.87	319.65	321.74	15.37	14.17	0.50	48,198.03	15.29	0.43	48,709.44
Grading/Excavation	tons per phase	2.24	22.50	22.65	1.08	1.00	0.04	3,393.14	1.08	0.03	3,429.14

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			2.26	22.70	22.87	1.09	1.01	0.04	3,426.46	1.09	0.03	3,462.82

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.54	23.29	26.31	51.33	1.33	50.00	11.58	1.18	10.40	0.05	4,655.59	1.22	0.05	4,702.25
Grading/Excavation	33.70	334.75	367.84	67.20	17.20	50.00	25.38	14.98	10.40	0.72	71,394.89	15.42	1.15	72,123.52
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	36.24	358.03	394.15	118.53	18.53	100.00	36.96	16.16	20.80	0.77	76,050.48	16.65	1.21	76,825.77
Total (tons/construction project)	2.39	23.77	26.13	5.18	1.22	3.96	1.89	1.06	0.82	0.05	5,067.17	1.10	0.08	5,118.88

Notes:

Project Start Year ->	2021
Project Length (months) ->	7
Total Project Area (acres) ->	69
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	35	0	78	0	560	40
Grading/Excavation	2,015	0	5,535	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.20	0.23	0.45	0.01	0.44	0.10	0.01	0.09	0.00	40.97	0.01	0.00	37.54
Grading/Excavation	2.37	23.57	25.90	4.73	1.21	3.52	1.79	1.05	0.73	0.05	5,026.20	1.09	0.08	4,606.27
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	2.37	23.57	25.90	4.73	1.21	3.52	1.79	1.05	0.73	0.05	5026.20	1.09	0.08	4,606.27
Total (tons/construction project)	2.39	23.77	26.13	5.18	1.22	3.96	1.89	1.06	0.82	0.05	5067.17	1.10	0.08	4,643.81

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	2.53	23.27	25.73	51.32	1.32	50.00	11.58	1.18	10.40	0.05	4,641.30	1.22	0.05	4,687.68
Grading/Excavation	33.27	333.97	340.40	67.05	17.05	50.00	25.24	14.84	10.40	0.72	70,714.91	15.40	1.11	71,430.41
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	35.80	357.24	366.13	118.38	18.38	100.00	36.81	16.01	20.80	0.76	75,356.20	16.63	1.16	76,118.09
Total (tons/construction project)	2.36	23.72	24.19	5.17	1.21	3.96	1.88	1.05	0.82	0.05	5,019.17	1.10	0.08	5,069.95

Notes:

Project Start Year ->	2021
Project Length (months) ->	7
Total Project Area (acres) ->	69
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	35	0	78	0	560	40
Grading/Excavation	2,015	0	5,535	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.02	0.20	0.23	0.45	0.01	0.44	0.10	0.01	0.09	0.00	40.84	0.01	0.00	37.42
Grading/Excavation	2.34	23.51	23.96	4.72	1.20	3.52	1.78	1.04	0.73	0.05	4,978.33	1.08	0.08	4,562.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	2.34	23.51	23.96	4.72	1.20	3.52	1.78	1.04	0.73	0.05	4978.33	1.08	0.08	4,562.01
Total (tons/construction project)	2.36	23.72	24.19	5.17	1.21	3.96	1.88	1.05	0.82	0.05	5019.17	1.10	0.08	4,599.43

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.33	28.05	5.41	50.24	0.24	50.00	10.58	0.18	10.40	0.05	4,641.30	1.22	0.05	4,687.68
Grading/Excavation	16.69	342.40	54.26	53.39	3.39	50.00	12.64	2.24	10.40	0.72	70,714.91	15.40	1.11	71,430.41
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	18.03	370.45	59.67	103.63	3.63	100.00	23.22	2.42	20.80	0.76	75,356.20	16.63	1.16	76,118.09
Total (tons/construction project)	1.19	24.35	3.87	4.20	0.24	3.96	0.98	0.16	0.82	0.05	5,019.17	1.10	0.08	5,069.95

Notes:

Project Start Year ->	2021
Project Length (months) ->	7
Total Project Area (acres) ->	69
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	35	0	78	0	560	40
Grading/Excavation	2,015	0	5,535	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 2: 2021 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.25	0.05	0.44	0.00	0.44	0.09	0.00	0.09	0.00	40.84	0.01	0.00	37.42
Grading/Excavation	1.18	24.11	3.82	3.76	0.24	3.52	0.89	0.16	0.73	0.05	4,978.33	1.08	0.08	4,562.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.18	24.11	3.82	3.76	0.24	3.52	0.89	0.16	0.73	0.05	4978.33	1.08	0.08	4,562.01
Total (tons/construction project)	1.19	24.35	3.87	4.20	0.24	3.96	0.98	0.16	0.82	0.05	5019.17	1.10	0.08	4,599.43

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall	
Construction Start Year	2022	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	7.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	2.30	miles
Total Project Area	28.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	35.00
	Grading/Excavation	15.00	1922.00	36.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	1.20	0.70	4/1/2022	1/1/2022
Grading/Excavation	5.60	3.15	5/8/2022	2/7/2022
Drainage/Utilities/Sub-Grade	0.00	2.10		7/28/2022
Paving	0.00	1.05		7/28/2022
Totals (Months)	7			

Program

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.

Please note: You have entered a different number of months than the project length shown in cell D16.
Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	26.00			3	78.00
Miles/round trip: Grading/Excavation	41.00			131	5371.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.07	0.56	0.02	0.01	0.00	274.55	0.00	0.01	277.35
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.01	0.00	0.00	0.00	3.62	0.00	0.00	3.66
Pounds per day - Grading/Excavation	1.16	5.08	38.27	1.33	0.59	0.18	18,905.54	0.05	0.64	19,097.92
Tons per const. Period - Grading/Excavation	0.07	0.31	2.36	0.08	0.04	0.01	1,164.58	0.00	0.04	1,176.43
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.07	0.31	2.37	0.08	0.04	0.01	1,168.21	0.00	0.04	1,180.09

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	14		28	560.00
No. of employees: Grading/Excavation	100		200	4,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Grading/Excavation (grams/mile)	0.02	0.92	0.09	0.05	0.02	0.00	348.29	0.01	0.00	349.59
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Grading/Excavation (grams/trip)	0.87	2.06	0.16	0.00	0.00	0.00	79.59	0.01	0.01	81.77
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.07	1.26	0.12	0.06	0.02	0.00	434.90	0.01	0.01	436.65
Tons per const. Period - Grubbing/Land Clearing	0.00	0.02	0.00	0.00	0.00	0.00	5.74	0.00	0.00	5.76
Pounds per day - Grading/Excavation	0.53	9.00	0.88	0.41	0.17	0.03	3,106.46	0.07	0.04	3,118.95
Tons per const. Period - Grading/Excavation	0.03	0.55	0.05	0.03	0.01	0.00	191.36	0.00	0.00	192.13
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.03	0.57	0.06	0.03	0.01	0.00	197.10	0.00	0.00	197.89

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	2		40.00		80.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Grading/Excavation (grams/mile)	0.10	0.43	3.23	0.11	0.05	0.02	1,596.61	0.00	0.05	1,612.86
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.04	0.29	0.01	0.00	0.00	140.80	0.00	0.00	142.23
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	1.88
Pounds per day - Grading/Excavation	0.02	0.08	0.57	0.02	0.01	0.00	281.59	0.00	0.01	284.46
Tons per const. Period - Grading/Excavation	0.00	0.00	0.04	0.00	0.00	0.00	17.35	0.00	0.00	17.52
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.04	0.00	0.00	0.00	19.20	0.00	0.00	19.40

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			50.00	0.66	10.40	0.14
Fugitive Dust - Grading/Excavation			50.00	3.08	10.40	0.64
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.52	8.40	4.58	0.22	0.20	0.01	1,289.60	0.42	0.01	1,303.50
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Signal Boards	0.07	0.38	0.45	0.02	0.02	0.00	61.64	0.01	0.00	61.96
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.42	5.65	4.23	0.23	0.21	0.01	760.86	0.25	0.01	769.05
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grubbing/Land Clearing	pounds per day	1.25	16.82	11.52	0.62	0.57	0.03	2,419.82	0.77	0.02	2,445.54
Grubbing/Land Clearing	tons per phase	0.02	0.22	0.15	0.01	0.01	0.00	31.94	0.01	0.00	32.28

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Bore/Drill Rigs	1.04	9.51	10.56	0.34	0.31	0.04	4,257.78	1.38	0.04	4,303.77
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	1.82	9.26	20.47	0.85	0.78	0.03	2,733.67	0.88	0.02	2,763.14
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00			Model Default Tier	Excavators	2.61	41.98	22.92	1.11	1.02	0.07	6,447.99	2.09	0.06	6,517.51
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.41	4.59	3.66	0.18	0.18	0.01	778.79	0.04	0.01	781.46
4.00			Model Default Tier	Graders	2.79	22.10	26.10	1.45	1.33	0.03	3,028.02	0.98	0.03	3,060.56
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.00			Model Default Tier	Other Material Handling Equipment	5.32	74.84	44.62	2.42	2.23	0.12	11,126.92	3.60	0.10	11,246.88
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.26	14.13	13.11	0.76	0.70	0.02	1,929.60	0.62	0.02	1,950.39
10.00			Model Default Tier	Rough Terrain Forklifts	1.40	28.60	18.50	0.65	0.59	0.04	4,171.93	1.35	0.04	4,216.90
10.00			Model Default Tier	Rubber Tired Dozers	10.68	87.59	108.11	4.94	4.55	0.11	10,778.34	3.49	0.10	10,894.12
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.24	2.40	2.25	0.15	0.14	0.00	307.72	0.10	0.00	311.03
6.00			Model Default Tier	Tractors/Loaders/Backhoes	1.25	16.96	12.70	0.68	0.63	0.02	2,282.59	0.74	0.02	2,307.15
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	29.25	314.21	285.70	13.64	12.57	0.50	48,213.20	15.30	0.43	48,724.65
	Grading/Excavation	tons per phase	1.80	19.36	17.60	0.84	0.77	0.03	2,969.93	0.94	0.03	3,001.44

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			1.82	19.58	17.75	0.85	0.78	0.03	3,001.87	0.95	0.03	3,033.72

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.35	18.19	12.48	50.70	0.70	50.00	11.01	0.61	10.40	0.03	3,270.08	0.78	0.04	3,301.77
Grading/Excavation	30.96	328.37	325.42	65.40	15.40	50.00	23.73	13.33	10.40	0.71	70,506.79	15.42	1.12	71,225.98
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	30.96	328.37	325.42	65.40	15.40	50.00	23.73	13.33	10.40	0.71	70,506.79	15.42	1.12	71,225.98
Total (tons/construction project)	1.93	20.47	20.21	4.70	0.96	3.74	1.61	0.83	0.78	0.04	4,386.38	0.96	0.07	4,431.10

Notes:

Project Start Year ->	2022
Project Length (months) ->	7
Total Project Area (acres) ->	28
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	35	0	78	0	560	40
Grading/Excavation	1,958	0	5,371	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.24	0.16	0.67	0.01	0.66	0.15	0.01	0.14	0.00	43.17	0.01	0.00	39.54
Grading/Excavation	1.91	20.23	20.05	4.03	0.95	3.08	1.46	0.82	0.64	0.04	4,343.22	0.95	0.07	3,980.33
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.91	20.23	20.05	4.03	0.95	3.08	1.46	0.82	0.64	0.04	4343.22	0.95	0.07	3,980.33
Total (tons/construction project)	1.93	20.47	20.21	4.70	0.96	3.74	1.61	0.83	0.78	0.04	4386.38	0.96	0.07	4,019.87

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.34	18.18	12.00	50.70	0.70	50.00	11.00	0.60	10.40	0.03	3,257.62	0.78	0.04	3,289.06
Grading/Excavation	30.59	327.68	303.28	65.28	15.28	50.00	23.62	13.22	10.40	0.71	69,931.17	15.40	1.08	70,638.50
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	30.59	327.68	303.28	65.28	15.28	50.00	23.62	13.22	10.40	0.71	69,931.17	15.40	1.08	70,638.50
Total (tons/construction project)	1.90	20.42	18.84	4.69	0.95	3.74	1.60	0.82	0.78	0.04	4,350.76	0.96	0.07	4,394.75

Notes:

Project Start Year ->	2022
Project Length (months) ->	7
Total Project Area (acres) ->	28
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	35	0	78	0	560	40
Grading/Excavation	1,958	0	5,371	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.24	0.16	0.67	0.01	0.66	0.15	0.01	0.14	0.00	43.00	0.01	0.00	39.39
Grading/Excavation	1.88	20.18	18.68	4.02	0.94	3.08	1.46	0.81	0.64	0.04	4,307.76	0.95	0.07	3,947.50
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.88	20.18	18.68	4.02	0.94	3.08	1.46	0.81	0.64	0.04	4307.76	0.95	0.07	3,947.50
Total (tons/construction project)	1.90	20.42	18.84	4.69	0.95	3.74	1.60	0.82	0.78	0.04	4350.76	0.96	0.07	3,986.89

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.89	20.43	4.52	50.19	0.19	50.00	10.54	0.14	10.40	0.03	3,257.62	0.78	0.04	3,289.06
Grading/Excavation	16.63	341.55	53.19	53.35	3.35	50.00	12.63	2.23	10.40	0.71	69,931.17	15.40	1.08	70,638.50
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	16.63	341.55	53.19	53.35	3.35	50.00	12.63	2.23	10.40	0.71	69,931.17	15.40	1.08	70,638.50
Total (tons/construction project)	1.04	21.31	3.34	3.95	0.21	3.74	0.92	0.14	0.78	0.04	4,350.76	0.96	0.07	4,394.75

Notes:

Project Start Year ->	2022
Project Length (months) ->	7
Total Project Area (acres) ->	28
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	35	0	78	0	560	40
Grading/Excavation	1,958	0	5,371	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 3: 2022 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.27	0.06	0.66	0.00	0.66	0.14	0.00	0.14	0.00	43.00	0.01	0.00	39.39
Grading/Excavation	1.02	21.04	3.28	3.29	0.21	3.08	0.78	0.14	0.64	0.04	4,307.76	0.95	0.07	3,947.50
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	1.02	21.04	3.28	3.29	0.21	3.08	0.78	0.14	0.64	0.04	4307.76	0.95	0.07	3,947.50
Total (tons/construction project)	1.04	21.31	3.34	3.95	0.21	3.74	0.92	0.14	0.78	0.04	4350.76	0.96	0.07	3,986.89

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 8.1.0**

Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 4: 2023 Berms and Relief Wells	
Construction Start Year	2023	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	4.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.25	miles
Total Project Area	9.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	15.00	272.00	71.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	0.40	8/1/2020	1/1/2023
Grading/Excavation	4.00	1.80	5/30/2023	1/1/2023
Drainage/Utilities/Sub-Grade	0.00	1.20	9/22/2020	5/3/2023
Paving	0.00	0.60	10/30/2020	5/3/2023
Totals (Months)	Program	4		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation	34.00			23	782.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.11	0.64	2.26	0.18	0.07	0.03	2,658.27	0.01	0.09	2,685.29
Tons per const. Period - Grading/Excavation	0.00	0.03	0.10	0.01	0.00	0.00	116.96	0.00	0.00	118.15
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.03	0.10	0.01	0.00	0.00	116.96	0.00	0.00	118.15

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing			0	0.00
No. of employees: Grading/Excavation	30		60	1,200.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.15	2.50	0.24	0.12	0.05	0.01	899.84	0.02	0.01	903.22
Tons per const. Period - Grading/Excavation	0.01	0.11	0.01	0.01	0.00	0.00	39.59	0.00	0.00	39.74
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.11	0.01	0.01	0.00	0.00	39.59	0.00	0.00	39.74

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust					0.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.01	0.03	0.12	0.01	0.00	0.00	135.97	0.00	0.00	137.35
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	5.98	0.00	0.00	6.04
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	5.98	0.00	0.00	6.04

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			50.00	2.20	10.40	0.46
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing	tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.49	8.40	3.99	0.20	0.18	0.01	1,289.83	0.42	0.01	1,303.73
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.38	4.59	3.39	0.16	0.16	0.01	778.79	0.03	0.01	781.40
4.00			Model Default Tier	Graders	2.47	21.83	22.45	1.24	1.14	0.03	3,027.36	0.98	0.03	3,059.89
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.17	14.07	12.23	0.67	0.62	0.02	1,929.63	0.62	0.02	1,950.42
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Rubber Tired Dozers	4.02	33.16	39.65	1.81	1.67	0.04	4,312.75	1.40	0.04	4,359.08
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.23	2.40	2.13	0.14	0.13	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.38	5.64	3.88	0.19	0.18	0.01	761.71	0.25	0.01	769.91
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	9.56	92.33	90.42	4.51	4.17	0.13	12,777.66	3.83	0.11	12,907.21
	Grading/Excavation	tons per phase	0.42	4.06	3.98	0.20	0.18	0.01	562.22	0.17	0.00	567.92

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>			0.42	4.06	3.98	0.20	0.18	0.01	562.22	0.17	0.00	567.92

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 4: 2023 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	9.82	95.51	93.03	54.82	4.82	50.00	14.69	4.29	10.40	0.17	16,471.74	3.86	0.22	16,633.07
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	9.82	95.51	93.03	54.82	4.82	50.00	14.69	4.29	10.40	0.17	16,471.74	3.86	0.22	16,633.07
Total (tons/construction project)	0.43	4.20	4.09	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.76	0.17	0.01	731.86

Notes:

Project Start Year ->	2023
Project Length (months) ->	4
Total Project Area (acres) ->	9
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	343	0	782	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 4: 2023 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.43	4.20	4.09	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.76	0.17	0.01	663.93
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.43	4.20	4.09	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.76	0.17	0.01	663.93
Total (tons/construction project)	0.43	4.20	4.09	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.76	0.17	0.01	663.93

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 4: 2023 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	9.82	95.50	92.83	54.82	4.82	50.00	14.69	4.29	10.40	0.17	16,468.53	3.86	0.21	16,628.96
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	9.82	95.50	92.83	54.82	4.82	50.00	14.69	4.29	10.40	0.17	16,468.53	3.86	0.21	16,628.96
Total (tons/construction project)	0.43	4.20	4.08	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.62	0.17	0.01	731.67

Notes:

Project Start Year ->	2023
Project Length (months) ->	4
Total Project Area (acres) ->	9
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	343	0	782	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 4: 2023 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.43	4.20	4.08	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.62	0.17	0.01	663.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.43	4.20	4.08	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.62	0.17	0.01	663.77
Total (tons/construction project)	0.43	4.20	4.08	2.41	0.21	2.20	0.65	0.19	0.46	0.01	724.62	0.17	0.01	663.77

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 4: 2023 Berms and Relief Wells

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	4.34	85.47	15.56	50.89	0.89	50.00	11.06	0.66	10.40	0.17	16,468.53	3.86	0.21	16,628.96
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	4.34	85.47	15.56	50.89	0.89	50.00	11.06	0.66	10.40	0.17	16,468.53	3.86	0.21	16,628.96
Total (tons/construction project)	0.19	3.76	0.68	2.24	0.04	2.20	0.49	0.03	0.46	0.01	724.62	0.17	0.01	731.67

Notes:

Project Start Year ->	2023
Project Length (months) ->	4
Total Project Area (acres) ->	9
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	343	0	782	0	1,200	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 4: 2023 Berms and Relief Wells

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.19	3.76	0.68	2.24	0.04	2.20	0.49	0.03	0.46	0.01	724.62	0.17	0.01	663.77
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.19	3.76	0.68	2.24	0.04	2.20	0.49	0.03	0.46	0.01	724.62	0.17	0.01	663.77
Total (tons/construction project)	0.19	3.76	0.68	2.24	0.04	2.20	0.49	0.03	0.46	0.01	724.62	0.17	0.01	663.77

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall	
Construction Start Year	2023	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	2.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.50	miles
Total Project Area	19.00	acres
Maximum Area Disturbed/Day	5.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	9.00
	Grading/Excavation	15.00	2034.00	38.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.80	0.20	5/1/2023	1/1/2023
Grading/Excavation	1.20	0.90	5/26/2023	1/26/2023
Drainage/Utilities/Sub-Grade	0.00	0.60		3/4/2023
Paving	0.00	0.30		3/4/2023
Totals (Months)	2		Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be used.	

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated
User Input	Miles/Round Trip	Miles/Round Trip	Round Trips/Day	Round Trips/Day	Daily VMT
Miles/round trip: Grubbing/Land Clearing	26.00			1	26.00
Miles/round trip: Grading/Excavation	41.00			139	5699.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.02	0.08	0.01	0.00	0.00	88.38	0.00	0.00	89.28
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.79
Pounds per day - Grading/Excavation	0.80	4.67	16.45	1.29	0.50	0.18	19,372.72	0.04	0.66	19,569.62
Tons per const. Period - Grading/Excavation	0.01	0.06	0.22	0.02	0.01	0.00	255.72	0.00	0.01	258.32
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.06	0.22	0.02	0.01	0.00	256.50	0.00	0.01	259.10

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F90.

Asphalt Hauling Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated
User Input	Miles/Round Trip	Miles/Round Trip	Round Trips/Day	Round Trips/Day	Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D118.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing	14		28	560.00
No. of employees: Grading/Excavation	100		200	4,000.00
No. of employees: Drainage/Utilities/Sub-Grade			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Grading/Excavation (grams/mile)	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Grading/Excavation (grams/trip)	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.07	1.17	0.11	0.06	0.02	0.00	419.93	0.01	0.00	421.50
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.00	0.00	0.00	0.00	3.70	0.00	0.00	3.71
Pounds per day - Grading/Excavation	0.50	8.34	0.79	0.41	0.17	0.03	2,999.47	0.06	0.03	3,010.73
Tons per const. Period - Grading/Excavation	0.01	0.11	0.01	0.01	0.00	0.00	39.59	0.00	0.00	39.74
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.12	0.01	0.01	0.00	0.00	43.29	0.00	0.00	43.45

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	2		40.00		80.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile)	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.03	0.12	0.01	0.00	0.00	135.97	0.00	0.00	137.35
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	1.21
Pounds per day - Grading/Excavation	0.01	0.07	0.23	0.02	0.01	0.00	271.95	0.00	0.01	274.71
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	3.59	0.00	0.00	3.63
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	4.79	0.00	0.00	4.83

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			50.00	0.44	10.40	0.09
Fugitive Dust - Grading/Excavation			50.00	0.66	10.40	0.14
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Cranes	0.86	4.49	9.33	0.39	0.36	0.01	1,366.81	0.44	0.01	1,381.54
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.49	8.40	3.99	0.20	0.18	0.01	1,289.83	0.42	0.01	1,303.73
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Signal Boards	0.07	0.38	0.45	0.02	0.02	0.00	61.64	0.01	0.00	61.96
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.23	2.40	2.13	0.14	0.13	0.00	307.72	0.10	0.00	311.03
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.38	5.64	3.88	0.19	0.18	0.01	761.71	0.25	0.01	769.91
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grubbing/Land Clearing	pounds per day	2.03	21.30	19.79	0.93	0.86	0.04	3,787.72	1.21	0.03	3,828.18
	Grubbing/Land Clearing	tons per phase	0.02	0.19	0.17	0.01	0.01	0.00	33.33	0.01	0.00	33.69

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Bore/Drill Rigs	1.00	9.47	9.51	0.31	0.28	0.04	4,266.36	1.38	0.04	4,312.42
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cranes	1.72	8.97	18.66	0.78	0.72	0.03	2,733.62	0.88	0.02	2,763.09
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00			Model Default Tier	Excavators	2.43	42.01	19.97	0.98	0.90	0.07	6,449.15	2.09	0.06	6,518.67
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Generator Sets	0.38	4.59	3.39	0.16	0.16	0.01	778.79	0.03	0.01	781.40
4.00			Model Default Tier	Graders	2.47	21.83	22.45	1.24	1.14	0.03	3,027.36	0.98	0.03	3,059.89
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.00			Model Default Tier	Other Material Handling Equipment	5.11	74.71	41.68	2.26	2.08	0.12	11,126.92	3.60	0.10	11,246.88
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Rollers	1.17	14.07	12.23	0.67	0.62	0.02	1,929.63	0.62	0.02	1,950.42
10.00			Model Default Tier	Rough Terrain Forklifts	1.32	28.59	17.49	0.56	0.52	0.04	4,172.55	1.35	0.04	4,217.51
10.00			Model Default Tier	Rubber Tired Dozers	10.04	82.89	99.13	4.53	4.17	0.11	10,781.87	3.49	0.10	10,897.71
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00			Model Default Tier	Signal Boards	0.43	2.26	2.70	0.10	0.10	0.01	369.85	0.04	0.00	371.73
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Sweepers/Scrubbers	0.23	2.40	2.13	0.14	0.13	0.00	307.72	0.10	0.00	311.03
6.00			Model Default Tier	Tractors/Loaders/Backhoes	1.15	16.91	11.64	0.57	0.53	0.02	2,285.14	0.74	0.02	2,309.73
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	pounds per day	27.45	308.70	260.98	12.30	11.34	0.50	48,228.98	15.30	0.43	48,740.49
Grading/Excavation	tons per phase	0.36	4.07	3.44	0.16	0.15	0.01	636.62	0.20	0.01	643.37

Drainage/Utilities/Subgrade	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>		0.38	4.26	3.62	0.17	0.16	0.01	669.95	0.21	0.01	677.06

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F424.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63	10.00	8
Air Compressors		78	10.00	8
Bore/Drill Rigs		206	10.00	8
Cement and Mortar Mixers		9	10.00	8
Concrete/Industrial Saws		81	10.00	8
Cranes		226	10.00	8
Crawler Tractors		208	10.00	8
Crushing/Proc. Equipment		85	10.00	8
Excavators		163	10.00	8
Forklifts		89	10.00	8
Generator Sets		84	10.00	8
Graders		175	10.00	8
Off-Highway Tractors		123	10.00	8
Off-Highway Trucks		400	10.00	8
Other Construction Equipment		172	10.00	8
Other General Industrial Equipment		88	10.00	8
Other Material Handling Equipment		167	10.00	8
Pavers		126	10.00	8
Paving Equipment		131	10.00	8
Plate Compactors		8	10.00	8
Pressure Washers		13	10.00	8
Pumps		84	10.00	8
Rollers		81	10.00	8
Rough Terrain Forklifts		100	10.00	8
Rubber Tired Dozers		255	10.00	8
Rubber Tired Loaders		200	10.00	8
Scrapers		362	10.00	8
Signal Boards		6	10.00	8
Skid Steer Loaders		65	10.00	8
Surfacing Equipment		254	10.00	8
Sweepers/Scrubbers		64	10.00	8
Tractors/Loaders/Backhoes		98	10.00	8
Trenchers		81	10.00	8
Welders		46	10.00	8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.11	22.52	20.09	51.00	1.00	50.00	11.29	0.89	10.40	0.05	4,432.00	1.22	0.05	4,476.32
Grading/Excavation	28.76	321.77	278.45	64.02	14.02	50.00	22.42	12.02	10.40	0.72	70,873.11	15.40	1.13	71,595.56
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	28.76	321.77	278.45	64.02	14.02	50.00	22.42	12.02	10.40	0.72	70,873.11	15.40	1.13	71,595.56
Total (tons/construction project)	0.40	4.45	3.85	1.29	0.19	1.10	0.40	0.17	0.23	0.01	974.53	0.21	0.02	984.45

Notes:

Project Start Year ->	2023
Project Length (months) ->	2
Total Project Area (acres) ->	19
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	9	0	26	0	560	40
Grading/Excavation	2,072	0	5,699	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.20	0.18	0.45	0.01	0.44	0.10	0.01	0.09	0.00	39.00	0.01	0.00	35.74
Grading/Excavation	0.38	4.25	3.68	0.85	0.19	0.66	0.30	0.16	0.14	0.01	935.53	0.20	0.01	857.35
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.38	4.25	3.68	0.85	0.19	0.66	0.30	0.16	0.14	0.01	935.53	0.20	0.01	857.35
Total (tons/construction project)	0.40	4.45	3.85	1.29	0.19	1.10	0.40	0.17	0.23	0.01	974.53	0.21	0.02	893.09

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.11	22.52	20.07	51.00	1.00	50.00	11.29	0.89	10.40	0.05	4,431.74	1.22	0.05	4,475.99
Grading/Excavation	28.75	321.75	277.06	64.01	14.01	50.00	22.41	12.01	10.40	0.72	70,850.57	15.39	1.11	71,566.64
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	28.75	321.75	277.06	64.01	14.01	50.00	22.41	12.01	10.40	0.72	70,850.57	15.39	1.11	71,566.64
Total (tons/construction project)	0.40	4.45	3.83	1.29	0.19	1.10	0.40	0.17	0.23	0.01	974.23	0.21	0.02	984.07

Notes:

Project Start Year ->	2023
Project Length (months) ->	2
Total Project Area (acres) ->	19
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	9	0	26	0	560	40
Grading/Excavation	2,072	0	5,699	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.20	0.18	0.45	0.01	0.44	0.10	0.01	0.09	0.00	39.00	0.01	0.00	35.73
Grading/Excavation	0.38	4.25	3.66	0.84	0.18	0.66	0.30	0.16	0.14	0.01	935.23	0.20	0.01	857.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.38	4.25	3.66	0.84	0.18	0.66	0.30	0.16	0.14	0.01	935.23	0.20	0.01	857.01
Total (tons/construction project)	0.40	4.45	3.83	1.29	0.19	1.10	0.40	0.17	0.23	0.01	974.23	0.21	0.02	892.74

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.31	27.81	5.19	50.23	0.23	50.00	10.57	0.17	10.40	0.05	4,431.74	1.22	0.05	4,475.99
Grading/Excavation	16.58	341.14	51.69	53.42	3.42	50.00	12.65	2.25	10.40	0.72	70,850.57	15.39	1.11	71,566.64
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	16.58	341.14	51.69	53.42	3.42	50.00	12.65	2.25	10.40	0.72	70,850.57	15.39	1.11	71,566.64
Total (tons/construction project)	0.23	4.75	0.73	1.15	0.05	1.10	0.26	0.03	0.23	0.01	974.23	0.21	0.02	984.07

Notes:

Project Start Year ->	2023
Project Length (months) ->	2
Total Project Area (acres) ->	19
Maximum Area Disturbed/Day (acres) ->	5
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	9	0	26	0	560	40
Grading/Excavation	2,072	0	5,699	0	4,000	80
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Sac River S/S Contract 4: 2023 Vegetation and Cutoff Wall

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.24	0.05	0.44	0.00	0.44	0.09	0.00	0.09	0.00	39.00	0.01	0.00	35.73
Grading/Excavation	0.22	4.50	0.68	0.71	0.05	0.66	0.17	0.03	0.14	0.01	935.23	0.20	0.01	857.01
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.22	4.50	0.68	0.71	0.05	0.66	0.17	0.03	0.14	0.01	935.23	0.20	0.01	857.01
Total (tons/construction project)	0.23	4.75	0.73	1.15	0.05	1.10	0.26	0.03	0.23	0.01	974.23	0.21	0.02	892.74

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Mitigation Sites

Road Construction Emissions Model
Data Entry Worksheet

Version 8.1.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with
yellow or blue background can be modified. Program defaults have a white background
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project type
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new proje

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Mitigation	
Construction Start Year	2023	Enter a Year between 2014 and 2025 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee constructi
Project Construction Time	6.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	0.47	miles
Total Project Area	50.00	acres
Maximum Area Disturbed/Day	50.00	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	15.00	0.00	6.00
	Grading/Excavation	15.00	0.00	91.00
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation	No Mitigation	Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/ceqa/mitigation.shtml). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standa

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selecte

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F5

Construction Periods	User Override of Construction Months	m Calculated Months	User Override of Phase Starting Date	m Default Phase Starting Date
Grubbing/Land Clearing	0.60	0.60	4/15/2023	1/1/2023
Grading/Excavation	5.40	2.70	5/4/2023	1/20/2023
Drainage/Utilities/Sub-Grade	0.00	1.80		7/4/2023
Paving	0.00	0.90		7/4/2023
Totals (Months)		6		

Note: You have entered a non-default starting date. Please provide starting date for all phases, or default values for other phases will be us

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F6

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing	20.00			1	20.00
Miles/round trip: Grading/Excavation	20.00			7	140.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.02	0.06	0.00	0.00	0.00	67.99	0.00	0.00	68.68
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45
Pounds per day - Grading/Excavation	0.02	0.11	0.40	0.03	0.01	0.00	475.90	0.00	0.02	480.74
Tons per const. Period - Grading/Excavation	0.00	0.01	0.02	0.00	0.00	0.00	28.27	0.00	0.00	28.56
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.01	0.02	0.00	0.00	0.00	28.72	0.00	0.00	29.01

Note: Asphalt Hauling emission default values can be overridden in cells D87 through D90, and F87 through F9

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grad				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D113 through D11

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values	Calculated Daily Trips	Calculated Daily VMT
Miles/ one-way trip	20			
One-way trips/day	2			
No. of employees: Grubbing/Land Clearin	40		80	1,600.00
No. of employees: Grading/Excavatio	75		150	3,000.00
No. of employees: Drainage/Utilities/Sub-Grad			0	0.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Grading/Excavation (grams/mile	0.02	0.85	0.08	0.05	0.02	0.00	336.27	0.01	0.00	337.46
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Grading/Excavation (grams/trip	0.81	1.86	0.14	0.00	0.00	0.00	77.20	0.01	0.01	79.12
Draining/Utilities/Sub-Grade (grams/trip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.20	3.34	0.32	0.16	0.07	0.01	1,199.79	0.02	0.01	1,204.29
Tons per const. Period - Grubbing/Land Clearing	0.00	0.02	0.00	0.00	0.00	0.00	7.92	0.00	0.00	7.95
Pounds per day - Grading/Excavation	0.37	6.26	0.59	0.31	0.13	0.02	2,249.60	0.04	0.02	2,258.05
Tons per const. Period - Grading/Excavation	0.02	0.37	0.04	0.02	0.01	0.00	133.63	0.00	0.00	134.13
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.02	0.39	0.04	0.02	0.01	0.00	141.55	0.00	0.00	142.08

Note: Water Truck default values can be overridden in cells D145 through D148, and F145 through F148.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Miles Traveled/Vehicle/Day	Default Values Miles Traveled/Vehicle/Day	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust	1		40.00		40.00
Grading/Excavation - Exhaust	1		40.00		40.00
Drainage/Utilities/Subgrade					0.00
Paving					0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Grading/Excavation (grams/mile	0.06	0.37	1.31	0.10	0.04	0.01	1,541.90	0.00	0.05	1,557.58
Draining/Utilities/Sub-Grade (grams/mile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.01	0.03	0.12	0.01	0.00	0.00	135.97	0.00	0.00	137.35
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.91
Pounds per day - Grading/Excavation	0.01	0.03	0.12	0.01	0.00	0.00	135.97	0.00	0.00	137.35
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	8.08	0.00	0.00	8.16
Pounds per day - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction projec	0.00	0.00	0.01	0.00	0.00	0.00	8.97	0.00	0.00	9.07

Note: Fugitive dust default values can be overridden in cells D171 through D173.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			500.00	3.30	104.00	0.69
Fugitive Dust - Grading/Excavation			500.00	29.70	104.00	6.18
Fugitive Dust - Drainage/Utilities/Subgrade			0.00	0.00	0.00	0.00

Values in cells D183 through D216, D234 through D267, D285 through D318, and D336 through D369 are required when 'Other Project Type' is selecte

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00			Model Default Tie	Excavators	0.58	10.08	4.79	0.23	0.22	0.02	1,547.80	0.50	0.01	1,564.48
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.18	1.92	1.71	0.11	0.10	0.00	246.18	0.08	0.00	248.83
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing		pounds per day	0.77	12.00	6.50	0.34	0.32	0.02	1,793.97	0.58	0.02	1,813.31
	Grubbing/Land Clearing		tons per phase	0.01	0.08	0.04	0.00	0.00	0.00	11.84	0.00	0.00	11.97

Grading/Excavation	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Excavators	0.39	6.72	3.20	0.16	0.14	0.01	1,031.86	0.33	0.01	1,042.99
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Generator Sets	0.31	3.67	2.72	0.13	0.13	0.01	623.04	0.03	0.00	625.12
1.00			Model Default Tie	Graders	0.49	4.37	4.49	0.25	0.23	0.01	605.47	0.20	0.01	611.98
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tie	Other Construction Equipment	0.70	8.01	6.88	0.36	0.33	0.01	1,196.52	0.39	0.01	1,209.45
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Rubber Tired Dozers	0.80	6.63	7.93	0.36	0.33	0.01	862.55	0.28	0.01	871.82
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tie	Sweepers/Scrubbers	0.18	1.92	1.71	0.11	0.10	0.00	246.18	0.08	0.00	248.83
2.00			Model Default Tie	Tractors/Loaders/Backhoes	0.31	4.51	3.10	0.15	0.14	0.01	609.37	0.20	0.01	615.93
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	3.18	35.82	30.02	1.51	1.40	0.05	5,174.99	1.50	0.05	5,226.10
	Grading/Excavation	tons per phase	0.19	2.13	1.78	0.09	0.08	0.00	307.39	0.09	0.00	310.43

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Drainage/Utilities/Sub-Grade	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			Model Default Tie	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other General Industrial Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Other Material Handling Equipmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tie	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' t			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Paving	pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving	tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =			0.19	2.21	1.83	0.09	0.09	0.00	319.23	0.09	0.00	322.40

Equipment default values for horsepower and hours/day can be overridden in cells D391 through D424 and F391 through F4

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		206		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		226		8
Crawler Tractors		208		8
Crushing/Proc. Equipment		85		8
Excavators		163		8
Forklifts		89		8
Generator Sets		84		8
Graders		175		8
Off-Highway Tractors		123		8
Off-Highway Trucks		400		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		167		8
Pavers		126		8
Paving Equipment		131		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		81		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		255		8
Rubber Tired Loaders		200		8
Scrapers		362		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		254		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		98		8
Trenchers		81		8
Welders		46		8

END OF DATA ENTRY SHEET

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for ->	Mitigation			Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.97	15.39	6.99	500.52	0.52	500.00	104.39	0.39	104.00	0.03	3,197.72	0.60	0.04	3,223.64
Grading/Excavation	3.57	42.22	31.13	501.86	1.86	500.00	105.55	1.55	104.00	0.08	8,036.48	1.55	0.09	8,102.25
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	3.57	42.22	31.13	501.86	1.86	500.00	105.55	1.55	104.00	0.08	8,036.48	1.55	0.09	8,102.25
Total (tons/construction project)	0.22	2.61	1.90	33.11	0.11	33.00	6.96	0.09	6.86	0.01	498.47	0.10	0.01	502.55

Notes:

Project Start Year ->	2023
Project Length (months) ->	6
Total Project Area (acres) ->	50
Maximum Area Disturbed/Day (acres) ->	50
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	6	0	20	0	1,600	40
Grading/Excavation	91	0	140	0	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for ->	Mitigation			Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.01	0.10	0.05	3.30	0.00	3.30	0.69	0.00	0.69	0.00	21.10	0.00	0.00	19.30
Grading/Excavation	0.21	2.51	1.85	29.81	0.11	29.70	6.27	0.09	6.18	0.00	477.37	0.09	0.01	436.61
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.21	2.51	1.85	29.81	0.11	29.70	6.27	0.09	6.18	0.00	477.37	0.09	0.01	436.61
Total (tons/construction project)	0.22	2.61	1.90	33.11	0.11	33.00	6.96	0.09	6.86	0.01	498.47	0.10	0.01	455.91

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for ->	Mitigation			Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.97	15.39	6.97	500.52	0.52	500.00	104.39	0.39	104.00	0.03	3,197.49	0.60	0.04	3,223.34
Grading/Excavation	3.57	42.22	31.08	501.86	1.86	500.00	105.55	1.55	104.00	0.08	8,035.77	1.55	0.09	8,101.35
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	3.57	42.22	31.08	501.86	1.86	500.00	105.55	1.55	104.00	0.08	8,035.77	1.55	0.09	8,101.35
Total (tons/construction project)	0.22	2.61	1.89	33.11	0.11	33.00	6.96	0.09	6.86	0.01	498.43	0.10	0.01	502.49

Notes:

Project Start Year ->	2023
Project Length (months) ->	6
Total Project Area (acres) ->	50
Maximum Area Disturbed/Day (acres) ->	50
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	6	0	20	0	1,600	40
Grading/Excavation	91	0	140	0	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for ->	Mitigation			Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.01	0.10	0.05	3.30	0.00	3.30	0.69	0.00	0.69	0.00	21.10	0.00	0.00	19.30
Grading/Excavation	0.21	2.51	1.85	29.81	0.11	29.70	6.27	0.09	6.18	0.00	477.32	0.09	0.01	436.56
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.21	2.51	1.85	29.81	0.11	29.70	6.27	0.09	6.18	0.00	477.32	0.09	0.01	436.56
Total (tons/construction project)	0.22	2.61	1.89	33.11	0.11	33.00	6.96	0.09	6.86	0.01	498.43	0.10	0.01	455.86

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> Mitigation

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.79	17.43	3.18	500.24	0.24	500.00	104.13	0.13	104.00	0.03	3,197.49	0.60	0.04	3,223.34
Grading/Excavation	2.02	42.59	5.85	500.51	0.51	500.00	104.30	0.30	104.00	0.08	8,035.77	1.55	0.09	8,101.35
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	2.02	42.59	5.85	500.51	0.51	500.00	104.30	0.30	104.00	0.08	8,035.77	1.55	0.09	8,101.35
Total (tons/construction project)	0.13	2.65	0.37	33.03	0.03	33.00	6.88	0.02	6.86	0.01	498.43	0.10	0.01	502.49

Notes:

Project Start Year ->	2023
Project Length (months) ->	6
Total Project Area (acres) ->	50
Maximum Area Disturbed/Day (acres) ->	50
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	6	0	20	0	1,600	40
Grading/Excavation	91	0	140	0	3,000	40
Drainage/Utilities/Sub-Grade	0	0	0	0	0	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Mitigation

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.12	0.02	3.30	0.00	3.30	0.69	0.00	0.69	0.00	21.10	0.00	0.00	19.30
Grading/Excavation	0.12	2.53	0.35	29.73	0.03	29.70	6.20	0.02	6.18	0.00	477.32	0.09	0.01	436.56
Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.12	2.53	0.35	29.73	0.03	29.70	6.20	0.02	6.18	0.00	477.32	0.09	0.01	436.56
Total (tons/construction project)	0.13	2.65	0.37	33.03	0.03	33.00	6.88	0.02	6.86	0.01	498.43	0.10	0.01	455.86

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

APPENDIX C

Updated Emissions Summary Tables (Based on Project Schedule as of March 2020)

Table 1 - Revised
American River Common Features (ARCF) 2016
Air Quality Emissions by Year and Project
DRAFT - Final Estimates for Review

2019

Project	*Tons/year (Umitigated)*			
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Reach D Contract 1 (SREL Seepage Berm)[1]	0.02	0.15	0.07	0.02
Reach D Contract 1 (Beach Stone Lake Mitigation Site)[1]	0.02	0.32	3.21	0.68
Total Emissions (Sum)	**0.0**	**0.5**	**3.3**	**0.7**

2020

90% **Specified % of HP mitigated with Tier 4 controls**

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Sacramento River Seepage/ Stability Contract 1 - Berm and Wells	0.63	6.60	2.53	0.75	0.26	0.83	0.26	0.83	0.26	0.83
Sacramento River Seepage/ Stability Contract 1 - Cutoff Wall	2.82	31.60	5.77	2.18	1.30	4.27	1.30	4.27	1.30	4.27
Total Emissions (Sum)	**3.4**	**38.2**	**8.3**	**2.9**	**1.6**	**5.1**	**1.6**	**5.1**	**1.6**	**5.1**

2021

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
American River Erosion Contract 1	0.26	2.34	0.49	0.14	0.26	2.34	0.20	0.90	0.19	0.74
Sacramento River Erosion Contract 1	0.19	0.74	0.32	0.09	0.19	0.74	0.19	0.74	0.19	0.74
Sacramento River Erosion Contract 1 - Barge Emissions[2]	0.08	1.24	0.05	0.05	0.08	1.24	0.08	1.24	0.08	1.24
Sacramento Weir	1.22	15.78	39.37	8.56	1.16	12.00	0.76	4.78	0.71	3.97
Sacramento Weir - Barge Emissions[2]	0.09	1.23	0.07	0.06	0.09	1.23	0.09	1.23	0.09	1.23
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	0.51	5.17	1.59	0.51	0.51	4.99	0.22	1.13	0.19	0.71
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	2.39	26.13	5.18	1.89	2.36	24.19	1.30	5.90	1.19	3.87
Total Emissions (Sum)	**4.8**	**52.6**	**47.1**	**11.3**	**4.7**	**46.7**	**2.8**	**15.9**	**2.6**	**12.5**

Table 1 - Revised
American River Common Features (ARCF) 2016
Air Quality Emissions by Year and Project
DRAFT - Final Estimates for Review

2022

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Mitigation	0.22	1.90	33.11	6.96	0.22	1.89	0.13	0.52	0.13	0.37
American River Erosion Contract 2	1.34	24.78	1.91	0.81	1.19	15.01	0.76	8.21	0.71	7.46
Sacramento River Erosion Contract 2 - Part 1	0.61	5.95	1.34	0.48	0.61	5.89	0.32	1.50	0.29	1.01
Sacramento River Erosion Contract 2 - Part 1 Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 2 - Part 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 2 - Part 2 Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento Weir	1.76	16.98	53.59	11.67	1.75	16.14	1.11	4.47	1.04	3.17
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	1.93	20.21	4.70	1.61	1.90	18.84	1.12	4.89	1.04	3.34
Magpie Creek	0.52	8.34	0.67	0.30	0.48	5.45	0.33	3.03	0.31	2.77
Total Emissions (Sum)	**7.8**	**94.6**	**97.2**	**22.8**	**7.6**	**79.6**	**5.0**	**35.3**	**4.7**	**30.3**

2023

Project	*Tons/year (Umitigated)*				*Tons/year (On-Road Mitigated)*		*Tons/year (On-Road & Tier 4 Mitigated at Specified %)*		*Tons/year (On-Road & All Tier 4 Mitigated)*	
	ROG	**NO_x**	**PM_{10}**	**$PM_{2.5}$**	**ROG**	**NO_x**	**ROG**	**NO_x**	**ROG**	**NO_x**
Sacramento River Erosion Contract 3 - Part 1	0.52	4.71	1.28	0.43	0.52	4.71	0.31	1.37	0.29	1.00
Sacramento River Erosion Contract 3 - Part 1 Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
Sacramento River Erosion Contract 3 - Part 2	0.56	5.22	1.30	0.45	0.56	5.18	0.31	1.43	0.29	1.01
Sacramento River Erosion Contract 3 - Part 2 Barge Emissions[2]	0.43	5.61	0.30	0.27	0.43	5.61	0.43	5.61	0.43	5.61
American River Erosion Contract 2	1.24	21.82	1.85	0.75	1.10	13.70	0.75	7.93	0.71	7.29
Sacramento Weir	1.24	10.75	44.52	9.61	1.24	10.74	0.83	2.87	0.79	1.99
Sacramento Weir - Barge Emissions[2]	0.27	3.41	0.19	0.17	0.27	3.41	0.27	3.41	0.27	3.41
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	0.43	4.09	2.41	0.65	0.43	4.08	0.22	1.02	0.19	0.68
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	0.40	3.85	1.29	0.40	0.40	3.83	0.25	1.04	0.23	0.73
Total Emissions (Sum)	**5.5**	**65.1**	**53.4**	**13.0**	**5.4**	**56.9**	**3.8**	**30.3**	**3.6**	**27.3**
General Conformity Thresholds	**25**	**25**	**100**	**100**	**25**	**25**	**25**	**25**	**25**	**25**

Notes: [1] From USACE; [2] No Mitigation

Table 4 - Revised
American River Common Features (ARCF) 2016
Allocation of Annual NOx Emissions to Quarters
Includes Only Years Exceeding General Conformity Threholds After Use of Equipment Mitigation
DRAFT - Final Estimates for Review

2021

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*								
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
American River Erosion Contract 1	0.90			33%	67%	0.0	0.0	0.3	0.6
Sacramento River Erosion Contract 1	0.74			50%	50%	0.0	0.0	0.4	0.4
Sacramento River Erosion Contract 1 - Barge	1.24			50%	50%	0.0	0.0	0.6	0.6
Sacramento Weir	4.78	13%	32%	42%	13%	0.6	1.5	2.0	0.6
Sacramento Weir - Barge Emissions[2]	1.23	13%	32%	42%	13%	0.2	0.4	0.5	0.2
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	1.13		25%	38%	38%	0.0	0.3	0.4	0.4
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	5.90		43%	43%	14%	0.0	2.5	2.5	0.8
Total Emissions (Sum)	**15.9**					0.8	4.7	6.8	3.6

2022

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Mitigation	0.52	25%	25%	25%	25%	0.1	0.1	0.1	0.1
American River Erosion Contract 2	8.21			33%	67%	0.0	0.0	2.7	5.5
Sacramento River Erosion Contract 2 - Part 1	1.50			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Part 1 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 2 - Part 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Part 2 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento Weir	4.47	25%	25%	25%	25%	1.1	1.1	1.1	1.1
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	4.89		43%	43%	14%	0.0	2.1	2.1	0.7
Magpie Creek	3.03		25%	38%	38%	0.0	0.8	1.1	1.1
Total Emissions (Sum)	**35.3**					1.2	4.1	14.3	15.6

2023

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
American River Erosion Contract 2	7.93			33%	67%	0.0	0.0	2.6	5.3
Sacramento River Erosion Contract 3 - Part 1	1.37			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Part 1 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 3 - Part 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Part 2 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento Weir	2.87	13%	32%	42%	13%	0.4	0.9	1.2	0.4
Sacramento Weir - Barge Emissions[2]	3.41	13%	32%	42%	13%	0.4	1.1	1.4	0.4
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	1.02		43%	43%	14%	0.0	0.4	0.4	0.1
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	1.04		25%	38%	38%	0.0	0.3	0.4	0.4
Total Emissions (Sum)	**30.3**					0.8	2.7	13.1	13.6

Table 5 - Revised
American River Common Features (ARCF) 2016
Allocation of Annual NOx Emissions to Quarters
Emissions Only within Sacramento Metro Air Quality Management District (SMAQMD)
Includes Only Years Exceeding General Conformity Threholds After Use of Equipment Mitigation
DRAFT - Final Estimates for Review

2021

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
American River Erosion Contract 1	0.90			33%	67%	0.0	0.0	0.3	0.6
Sacramento River Erosion Contract 1	0.74			50%	50%	0.0	0.0	0.4	0.4
Sacramento River Erosion Contract 1 - Barge	1.24			50%	50%	0.0	0.0	0.6	0.6
Sacramento River Seepage/ Stability Contract 2 - Berm and Wells	1.13		25%	38%	38%	0.0	0.3	0.4	0.4
Sacramento River Seepage/ Stability Contract 2 - Cutoff Wall	5.90		43%	43%	14%	0.0	2.5	2.5	0.8
Total Emissions (Sum)	**9.9**					0.0	2.8	4.3	2.8

2022

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Mitigation	0.52	25%	25%	25%	25%	0.1	0.1	0.1	0.1
American River Erosion Contract 2	8.21			33%	67%	0.0	0.0	2.7	5.5
Sacramento River Erosion Contract 2 - Part 1	1.50			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Part 1 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 2 - Part 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 2 - Part 2 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Seepage/ Stability Contract 3 - Cutoff Wall	4.89		43%	43%	14%	0.0	2.1	2.1	0.7
Magpie Creek	3.03		25%	38%	38%	0.0	0.8	1.1	1.1
Total Emissions (Sum)	**30.8**					0.1	3.0	13.2	14.5

2023

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
American River Erosion Contract 2	7.93			33%	67%	0.0	0.0	2.6	5.3
Sacramento River Erosion Contract 3 - Part 1	1.37			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Part 1 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Erosion Contract 3 - Part 2	1.43			50%	50%	0.0	0.0	0.7	0.7
Sacramento River Erosion Contract 3 - Part 2 Barge Emissions[2]	5.61			50%	50%	0.0	0.0	2.8	2.8
Sacramento River Seepage/ Stability Contract 4 - Berm and Wells	1.02		43%	43%	14%	0.0	0.4	0.4	0.1
Sacramento River Seepage/ Stability Contract 4 - Cutoff Wall	1.04		25%	38%	38%	0.0	0.3	0.4	0.4
Total Emissions (Sum)	**24.0**					0.0	0.7	10.5	12.8

Table 6 - Revised
American River Common Features (ARCF) 2016
Allocation of Annual NOx Emissions to Quarters
Emissions Only withinYolo Solano Air Quality Management District (YSAQMD)
Includes Only Years Exceeding General Conformity Threholds After Use of Equipment Mitigation
DRAFT - Final Estimates for Review

2021

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Sacramento Weir	4.78	13%	32%	42%	13%	0.6	1.5	2.0	0.6
Sacramento Weir - Barge Emissions[2]	1.23	13%	32%	42%	13%	0.2	0.4	0.5	0.2
Total Emissions (Sum)	**6.0**					0.8	1.9	2.5	0.8

2022

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Sacramento Weir	4.47	25%	25%	25%	25%	1.1	1.1	1.1	1.1
Total Emissions (Sum)	**4.5**					1.1	1.1	1.1	1.1

2023

Project	*Tons/year (On-Road & 90% Tier 4 Mitigated)*	*Allocation as Percent of Annual Emissions*				*Emissions per Quarter (tons)*			
	NO_x	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Sacramento Weir	2.87	13%	32%	42%	13%	0.4	0.9	1.2	0.4
Sacramento Weir - Barge Emissions[2]	3.41	13%	32%	42%	13%	0.4	1.1	1.4	0.4
Total Emissions (Sum)	**6.3**					0.8	2.0	2.6	0.8

APPENDIX D

Response to Comments on the Draft General Conformity Determination American River Common Features (ARCF) 2016

RESPONSE TO COMMENTS ON THE DRAFT GENERAL CONFORMITY DETERMINATION for AMERICAN RIVER WATERSHED COMMON FEATURES 2016 PROJECT

June 8, 2020

On March 23, 2020 the USACE Sacramento District made public a Draft General Conformity Determination for American River Watershed Common Features, Water Resources Development Act of 2016 Project (ARCF 2016 Project) through a notice of availability printed in the Sacramento Bee newspaper. This public notice initiated a 30-day public review and comment period in accordance with 40 CFR 156. The Draft General Conformity Determination and notice of availability were posted publicly on the USACE Sacramento District ARCF 2016 Project website. Due to COVID-19 pandemic business operations, the public comment period was extended until May 1, 2020. The USACE received the following comment letters (included after the responses):

Comment No.	Commenter	Received
Letter 1	Sacramento Metropolitan Air Quality Management District (SMAQMD)	April 16, 2020
Letter 2	Wilton Rancheria	April 23, 2020
Letter 3	U.S. EPA (Environmental Protection Agency), Region IX, Air Planning	April 23, 2020

Comment Letter 1 – Sacramento Metropolitan Air Quality Management District

Response to Comment

The Commenter stated their commitment to assist the USACE in reducing ARCF 2016 project emissions to below General Conformity *de minimis* thresholds "by providing a nitrogen oxide (NOx) emission reduction credit loan to mitigate emissions occurring in Sacramento County during calendar years 2022 and 2023." The Commenter affirmed that the emissions estimates, emission reduction credit loan process, and milestones are reflected in the Draft GCD. Measures intended to mitigate the air quality impacts are identified on pages 10-11. Mitigation measures discuss the SMAQMD Emission Reduction Credit implementation process and timeframes for the ARCF 2016 Project.

The USACE thanks the Commenter for cooperatively supporting mitigation measures for air quality impacts.

Comment Letter 2 – Wilton Rancheria

Response to Comment

The Commenter requested a copy of the Draft GCD and a phone call to discuss the Determination. The USACE provided an electronic copy of the Draft GCD to the Commenter. The USACE also left a voicemail for the Commenter, identifying the USACE technical staff contact to discuss the Draft GCD and answer questions. The USACE did not receive a return phone call or subsequent email from the Commenter.

Comment Letter 3 – U.S. EPA, Region IX, Air Planning Office

Response to Comment

The Commenter recommended revision clarifying that NOx emissions offsets would occur within the SFONA (regardless of which Air Quality Management District provides the offsets). The Final GCD has been revised to clarify the geographic requirement – that emissions offsets occur within the relevant nonattainment area (p. 11 and Appendix A, A-1).

SACRAMENTO METROPOLITAN
AIR QUALITY
MANAGEMENT DISTRICT

Alberto Ayala, Ph.D., M.S.E.
AIR POLLUTION CONTROL OFFICER

April 16, 2020

General Conformity Determination ARCF 2016 - Planning Team
U.S. Army Corps of Engineers, Sacramento District
1325 J Street
Sacramento, CA 95814

RE: American River Watershed Common Features 2016 Project, Draft General Conformity Determination (SAC201301442)

To Whom It May Concern:

Thank you for providing the Sacramento Metropolitan Air Quality Management District (Sac Metro Air District) with the Draft General Conformity Determination (GCD) for the American River Watershed Common Features 2016 Project (ARCF). The Sac Metro Air District is mandated by California Health and Safety Code §40961 to represent the citizens of Sacramento in influencing the decisions of other agencies whose actions may have an adverse impact on air quality. Consequently, Sac Metro Air District staff has worked closely with U.S. Army Corps of Engineers staff to ensure the ARCF Project will not inhibit air quality attainment efforts in the Sacramento region.

Sac Metro Air District is committed to assist the U.S. Army Corps of Engineers by providing a nitrogen oxide (NOx) emission reduction credit loan to mitigate emissions occurring in Sacramento County during calendar years 2022 and 2023. The loan is necessary since on-site mitigation measures are not enough to reduce project emissions below the General Conformity de minimis NOx threshold. The emissions estimates, loan process, and milestones are reflected in the Draft GCD.

We look forward to continuing to work with the U.S. Army Corps of Engineers on this important flood protection project.

Sincerely,

Alberto Ayala, Ph.D., M.S.E.
Executive Director/Air Pollution Control Officer

cc: Mr. Mark Loutzenhiser, Sac Metro Air District, Planning and Coordination Division Manager
Kevin Williams, Ph.D., Sac Metro Air District, Rules/Emissions Credit/Inventory Program Supervisor
Mr. Jaime Lemus, Sac Metro Air District, Transportation and Climate Change Division Manager
Mr. Paul Philley, Sac Metro Air District, CEQA and Land Use Program Supervisor
Ms. Karen Huss, Sac Metro Air District Associate Planner/Analyst

From: [redacted] USARMY CESPK (USA)
To: [redacted] USARMY CESPK (USA)
Subject: FW: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020
Date: Thursday, April 23, 2020 2:13:34 PM
Attachments: image001.png

Wilton Rancheria is requesting a copy of the General Conformity document and a phone call to discuss. See below.

-----Original Message-----
From: SPK-PAO SPK
Sent: Thursday, April 23, 2020 2:04 PM
To: [redacted] USARMY CESPK (USA) [redacted]>
Subject: FW: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

[redacted]
Public Affairs Specialist
U.S. Army Corps of Engineers - Sacramento District
1325 J St. - Sacramento, CA 95814
[redacted]
Phone: [redacted]

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Watch us on YouTube - www.youtube.com/sacramentodistrict
Follow us on Twitter - www.twitter.com/USACESacramento

-----Original Message-----
From: [redacted] mail to:@wiltonrancheria-nsn.gov]
Sent: Thursday, April 23, 2020 11:30 AM
To: SPK-PAO SPK <SPK-PAO@usace.army.mil>
Subject: [Non-DoD Source] RE: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

Good morning [redacted],

Is there any way I can request the draft document from you and we can set up a call to discuss this?

Thank you

[redacted]

Wilton Rancheria

Tel: [redacted] | Fax: [redacted]

9728 Kent Street | Elk Grove | CA | 95624

[redacted]@wiltonrancheria-nsn.gov <mail to: @wiltonrancheria-nsn.gov>

wiltonrancheria-nsn.gov <Blockedhttp://wiltonrancheria-nsn.gov/>

From: [redacted] USARMY CESPK (USA) <[redacted]> On Behalf Of SPK-PAOSPK
Sent: Thursday, April 23, 2020 8:22 AM
Subject: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

USACE Sacramento District will consider public review comments on the Draft General Conformity Determination for American River Watershed Common Features Project (ARCF 2016) received by May 1, 2020. Please see the attached updated notice for more details.

Download the Draft General Conformity Determination for ARCF 2016 at: Blockedwww.sacleveeupgrades.com <Blockedhttp://www.sacleveeupgrades.com>

A public comments legal notice for the Draft General Conformity Determination appeared last month in the Sacramento Bee.

From: [redacted] CIV USARMY CESPK (USA)
To: [redacted]@wiltonrancheria-nsn.gov
Bcc: USARMY CESPK [redacted])
Subject: Draft General Conformity Determination - ARCF 2016 (UNCLASSIFIED)
Date: Monday, April 27, 2020 12:08:00 PM
Attachments: GenConformDeterm_DRAFT_and_ApdxA_2020Mar.pdf
AppdxC_EmissxnsTablesUpdated.pdf

CLASSIFICATION: UNCLASSIFIED

Good Day [redacted],

I just left you voicemail at your office extension with this info about copies of the Draft General Conformity Determination for American River Common Features (2016) levee upgrades. For your convenience, I'm attaching the Draft Determination and updated emissions tables.

These Draft General Conformity Determination files and the modeling data are all available to download on the project website:
| https://www.spk.usace.army.mil/Missions/Civil-Works/Sacramento-Levee-Upgrades/

- Scroll down to: "Current Common Features Report"

Please give me a call if you would like to discuss any technical questions or review comments.

Thank you.

[redacted]

—
[redacted]
Environmental Manager
U.S. Army Corps of Engineers
Sacramento District - Planning Division
Environmental Analysis Section
1325 J St.
Sacramento, CA 95814
[redacted]

CLASSIFICATION: UNCLASSIFIED

From: [redacted] USARMY CESPK (USA)
To: [redacted] USARMY CESPK (USA)
Subject: RE: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020 (UNCLASSIFIED)
Date: Friday, April 24, 2020 6:52:00 PM
Attachments: GenConformDeterm_DRAFT_and_AppdxA_2020Mar.pdf
AppdxC_EmissxnsTablesUpdated.pdf

CLASSIFICATION: UNCLASSIFIED

Draft General Conformity Determination can be downloaded:
https://www.spk.usace.army.mil/Missions/Civil-Works/Sacramento-Levee-Upgrades/
(Scroll down to: "Current Common Features Report")

Attached: Draft General Conformity Determination w/ Appendices A and C.
Appendix B is simply too large to email, but it can be downloaded from the website.
For USACE, it's on ProjectWise (pw://COE-SPKPWS01SAC.spk.ds.usace.army.mil:coe-spkpws01sac.spk.ds.usace.army.mil/Documents/D{dbbbd44f3-4c08-4f88-be89-fa5172d60b42}

**REMINDER: Please delete the red banner on sacleveeupgrades.com that says:
"Public comment period for Sacramento Weir scoping closes on May 1, 2020."

Thank you.

[redacted]

[redacted]
Environmental Manager
U.S. Army Corps of Engineers
Sacramento District - Planning Division
Environmental Analysis Section
1325 J St.
Sacramento, CA 95814
[redacted]

-----Original Message-----
From: [redacted] CIV USARMY CESPK (USA)
Sent: Thursday, April 23, 2020 2:14 PM
To: [redacted] CIV USARMY CESPK (USA) [redacted]
Subject: FW: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

Wilton Rancheria is requesting a copy of the General Conformity document and a phone call to discuss. See below.

-----Original Message-----
From: SPK-PAO SPK
Sent: Thursday, April 23, 2020 2:04 PM
To: [redacted] CIV USARMY CESPK (USA) [redacted]@usace.army.mil>
Subject: FW: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

[redacted]
Public Affairs Specialist
U.S. Army Corps of Engineers - Sacramento District

1325 J St. - Sacramento, CA 95814
[redacted]
Phone: [redacted]

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Watch us on YouTube - www.youtube.com/sacramentodistrict
Follow us on Twitter - www.twitter.com/USACESacramento

-----Original Message-----
From: Mariah Mayberry [mailto:[redacted]@wiltonrancheria-nsn.gov]
Sent: Thursday, April 23, 2020 11:30 AM
To: SPK-PAO SPK <SPK-PAO@usace.army.mil>
Subject: [Non-DoD Source] RE: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

Good morning Tyler,

Is there any way I can request the draft document from you and we can set up a call to discuss this?

Thank you

[redacted]

Wilton Rancheria

Tel: [redacted] | **Fax:** [redacted]

[redacted]

[redacted]@wiltonrancheria-nsn.gov <mailto:[redacted]@wiltonrancheria-nsn.gov>

wiltonrancheria-nsn.gov <Blockedhttp://wiltonrancheria-nsn.gov/>

From: [redacted]) <[redacted]> **On Behalf Of SPK-PAO SPK**
Sent: Thursday, April 23, 2020 8:22 AM
Subject: ARCF 2016 Draft General Conformity Determination comment period extended until May 1, 2020

USACE Sacramento District will consider public review comments on the Draft General Conformity Determination

for American River Watershed Common Features Project (ARCF 2016) received by May 1, 2020. Please see the attached updated notice for more details.

Download the Draft General Conformity Determination for ARCF 2016 at: Blockedwww.sacleveeupgrades.com <Blockedhttp://www.sacleveeupgrades.com>

A public comments legal notice for the Draft General Conformity Determination appeared last month in the Sacramento Bee.

CLASSIFICATION: UNCLASSIFIED

From: Kelly, ThomasP
To: [redacted]
Cc: [redacted] USARMY CESPK (USA)
Subject: [Non-DoD Source] RE: Pre-public release: Draft General Conformity Determination -- ARCF 2016
Date: Monday, March 23, 2020 12:35:12 PM
Attachments: image003.png

I have two comments, the second of which is more of an informational and does not need to result in a change to the conformity determination.

Appendix A, the Offset Agreement with Yolo Solano Air Quality Management District (Appendix A calls it a Maintenance District) states:

> NOX emissions generated by the ARCF 2016 Project within the YSAQMD jurisdiction will be offset within the District's boundary.

While NOX emissions may be offset within the YSAQMD boundary, they must also be offset within the Sacramento Federal Ozone Nonattainment Area (SFONA), where the project is occurring. While all of Yolo County is part of the SFONA, only part of Solano County is part of SFONA. Therefore, Appendix A should state that all emissions will be offset within the District's boundary and also within the SFONA. If your schedule does not allow the draft agreement to be revised prior to public notice, keep the current language in the draft conformity determination; however, this change should be incorporated into the final conformity determination.

The conformity also determination states, "a mitigation offset agreement will be maintained with YSAQMD to offset NOX emissions occurring within the YSAQMD boundary" (page 10). Presumably emissions within SMAQMD will also be mitigated within that District. This is acceptable to EPA, but not a requirement of the general conformity regulations. Emissions occurring within the nonattainment area may be offset with emission reductions anywhere within the nonattainment area. Appendix A implies as much by noting, "NOX emissions generated outside of the YSAQMD jurisdictional boundary may also be offset within the YSAQMD boundary with agreement from another local air quality agency with jurisdiction over the emissions and within the SFONA."

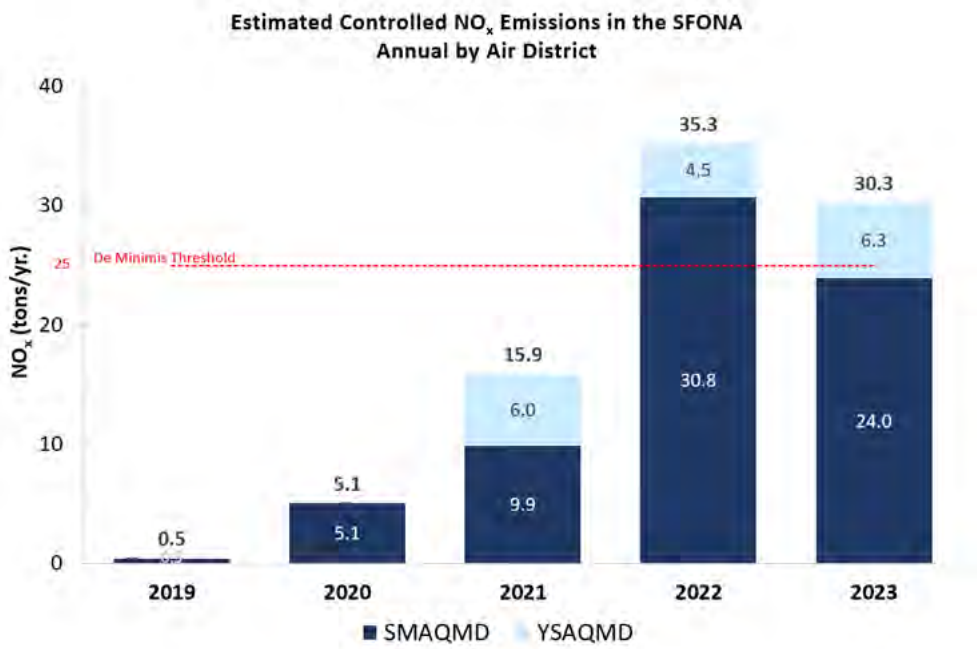
Please follow up with me if you have questions and thanks for the opportunity to review the determination prior to its release to the public.

Tom Kelly | U.S. EPA Region IX | Air Planning Office (AIR-2) | 75 Hawthorne Street, San Francisco, CA 94105 | (415) 972-3856

From: [redacted]
Sent: Thursday, March 19, 2020 3:27 PM
To: Kelly, ThomasP <Kelly.ThomasP@epa.gov>
Cc: [redacted]usace.army.mil>
Subject: Pre-public release: Draft General Conformity Determination -- ARCF 2016

Good Afternoon Mr. Kelly,

Thank you for answering my questions this afternoon about NOx offsets and GC Determination timing. Please find the attached pre-public release Draft GC Determination for the ARCF 2016 Project by the USACE Sacramento District, which we discussed. Appendix C includes the relevant emissions estimates referenced in the document and shown in this graphic below. I'm omitting the lengthy technical Appendix B (detailed emissions modelling). I appreciate your feedback on the Draft GC Determination document.



At this point, the project aims to begin the public review comment period by the end of March. As I mentioned, our office and local business operations are affected by current County public health guidance. And my normal office email server is not accessible. Please reply all.
Thank you.

V/R,

[redacted]

[redacted]
Environmental Manager
USACE - Sacramento District
Planning Division, Environmental Analysis Section
[redacted]

Appendix F
Noise Modeling Data

Attenuation Calculations for Stationary Noise Sources

KEY: Orange cells are for input.
Grey cells are intermediate calculations performed by the model.
Green cells are data to present in a written analysis (output).

STEP 1: Identify the noise source and enter the reference noise level (dBA and distance).

STEP 2: Select the ground type (hard or soft), and enter the source and receiver heights.

STEP 3: Select the distance to the receiver.

Noise Source/ID	Reference Noise Level			Attenuation Characteristics				Attenuated Noise Level at Receptor		
	noise level (dBA)	@	distance (ft)	Ground Type (soft/hard)	Source Height (ft)	Receiver Height (ft)	Ground Factor	noise level (dBA)	@	distance (ft)
Rip Rap	88.0	@	50	soft	5	5	0.58	88.0	@	50
Rip Rap	88.0	@	50	soft	5	5	0.58	80.2	@	100
Rip Rap	88.0	@	50	soft	5	5	0.58	72.5	@	200
Rip Rap	88.0	@	50	soft	5	5	0.58	67.9	@	300
Rip Rap	88.0	@	50	soft	5	5	0.58	64.7	@	400
Rip Rap	88.0	@	50	soft	5	5	0.58	62.2	@	500
Rip Rap	88.0	@	50	soft	5	5	0.58	54.4	@	1000
Rip Rap	88.0	@	50	soft	5	5	0.58	49.9	@	1500
Rip Rap	88.0	@	50	soft	5	5	0.58	46.6	@	2000
Rip Rap	88.0	@	50	soft	5	5	0.58	42.1	@	3000

Notes:

Estimates of attenuated noise levels do not account for reductions from intervening barriers, including walls, trees, vegetation, or structures of any type.

Computation of the attenuated noise level is based on the equation presented on pg. 176 and 177 of FTA 2018.

Computation of the ground factor is based on the equation presentd in Table 4-26 on pg. 86 of FTA 2018, where the distance of the reference noise leve can be adjusted and the usage factor is not applied (i.e., the usage factor is equal to 1).

Sources:

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment. Washington, D.C. Available: <http://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf>Accessed: March 5, 2020.

Distance Propagation Calculations for Stationary Sources and Truck Hauling Ground Vibration

KEY: Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

STEP 1: Determine units in which to perform calculation.

— If vibration decibels (VdB), then use Table A and proceed to Steps 2A and 3A.

— If peak particle velocity (PPV), then use Table B and proceed to Steps 2B and 3B.

STEP 2A: Identify the vibration source and enter the reference vibration level (VdB) and distance.

STEP 3A: Select the distance to the receiver.

Table A. Propagation of vibration decibels (VdB) with distance

Noise Source/ID	Reference Noise Level			Attenuated Noise Level at Receptor		
	vibration level (VdB)	@	distance (ft)	vibration level (VdB)	@	distance (ft)
Haul Truck	86	@	25	83.6	@	30
Vibratory Compactor	94	@	25	79.7	@	75
Haul Truck	86.0	@	25	71.7	@	75

The Lv metric (VdB) is used to assess the likelihood for vibration to result in human annoyance.

STEP 2B: Identify the vibration source and enter the reference peak particle velocity (PPV) and distance.

STEP 3B: Select the distance to the receiver.

Table B. Propagation of peak particle velocity (PPV) with distance

Noise Source/ID	Reference Noise Level			Attenuated Noise Level at Receptor		
	vibration level (PPV)	@	distance (ft)	vibration level (PPV)	@	distance (ft)
Haul Truck	0.076	@	25	0.058	@	30
Vibratory Compactor	0.210	@	25	0.198	@	26

The PPV metric (in/sec) is used for assessing the likelihood for the potential of structural damage.

Notes:

Computation of propagated vibration levels is based on the equations presented on pg. 185 of FTA 2018. Estimates of attenuated vibration levels do not account for reductions from intervening underground barriers or other underground structures of any type, or changes in soil type.

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment Manual. FTA Report No. 0123. Washington, D.C. Accessed: December 20, 2020. Page Available:

https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf

Traffic Noise Spreadsheet Calculator
Existing Conditions

Project: ARCF Site 1-1

Noise Level Descriptor: CNEL
Site Conditions: Hard
Traffic Input: ADT
Traffic K-Factor:

		Segment Description and Location		Input										Output				
						Distance to Directional Centerline, (feet)[4]		Traffic Distribution Characteristics							Distance to Contour, (feet)[3]			
Number	Name	From	To	ADT	Speed (mph)	Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night	CNEL, (dBA)[5,6,7]	70 dBA	65 dBA	60 dBA	55 dBA
1	SR 50	Howe St (Sacramento State College)		189,500	65	100	100	85.0%	10.0%	5.0%	85.0%	10.0%	5.0%	83.6	2294	7255	22943	72551
2	SR 51 (Business 80)	E Street		169,000	65	100	100	85.0%	10.0%	5.0%	85.0%	10.0%	5.0%	83.1	2046	6470	20461	64703

Traffic Noise Spreadsheet Calculator

Existing Plus Project Conditions

Project: ARCF Site 1-1

Noise Level Descriptor: Leq
Site Conditions: Soft
Traffic Input: Peak
Traffic K-Factor:

Segment Description and Location				Input										Output							
Number	Name	From	To	Peak Hour Volume	Speed (mph)	Distance to Directional Centerline, (feet)$_4$ Near	Far	Traffic Distribution Characteristics % Auto	% Medium	% Heavy	% Day	% Eve	% Night	Leq, (dBA)$_{5,6,7}$	Distance to Contour, (feet)$_3$ 70 dBA	65 dBA	60 dBA	55 dBA
Hauling																					
1	Generic	Haul truck activity		24	40	95	105	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	56.6	13	27	59	127

Citation #	Citations	
1	Caltrans Technical Noise Supplement. 2009 (November). Table (5-11), Pg 5-60.	Caltrans Technical Noise Supplement. 2013 (September). Table (4-2), Pg 4-17.
2	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-26), Pg 5-60.	Caltrans Technical Noise Supplement. 2013 (September). Equation (4-5), Pg 4-17.
3	Caltrans Technical Noise Supplement. 2009 (November). Equation (2-16), Pg 2-32.	FHWA 2004 TNM Version 2.5
4	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-11), Pg 5-47, 48.	FHWA 2004 TNM Version 2.5
5	Caltrans Technical Noise Supplement. 2009 (November). Equation (2-26), Pg 2-55, 56.	Caltrans Technical Noise Supplement. 2013 (September). Equation (2-23), Pg 2-51, 52.
6	Caltrans Technical Noise Supplement. 2009 (November). Equation (2-27), Pg 2-57.	Caltrans Technical Noise Supplement. 2013 (September). Equation (2-24), Pg 2-53.
7	Caltrans Technical Noise Supplement. 2009 (November). Pg 2-53.	Caltrans Technical Noise Supplement. 2013 (September). Pg 2-57.
8	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-7), Pg 5-45.	FHWA 2004 TNM Version 2.5
9	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-8), Pg 5-45.	FHWA 2004 TNM Version 2.5
10	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-9), Pg 5-45.	FHWA 2004 TNM Version 2.5
11	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-13), Pg 5-49.	FHWA 2004 TNM Version 2.5
12	Caltrans Technical Noise Supplement. 2009 (November). Equation (5-14), Pg 5-49.	FHWA 2004 TNM Version 2.5
13	Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (16), Pg 67	
14	Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (20), Pg 69	
15	Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (18), Pg 69	

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California Department of Transportation (Caltrans). 2017. 2017 Traffic Volumes : Route 51-59. https://dot.ca.gov/programs/traffic-operations/census/traffic-volumes/2017/route-51-59

California Department of Transportation (Caltrans). 2017. 2017 Traffic Volumes : Route 51-59. https://dot.ca.gov/programs/traffic-operations/census/traffic-volumes/2017/route-44-50

Appendix G

Comments and Responses on the Draft Supplemental Environmental Impact Report/ Environmental Assessment (DSEIR/DSEA)

STATE OF CALIFORNIA GAVIN NEWSOM, *Governor*

CALIFORNIA STATE LANDS COMMISSION
100 Howe Avenue, Suite 100-South
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JENNIFER LUCCHESI, *Executive Officer*
(916) 574-1800
TTY CA Relay Service: **711** *or Phone* **800.735.2922**
from Voice Phone **800.735.2929**
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Contact Phone: **(916) 574-1890**

May 25, 2022

File Ref: SCH #2005072046

Miles Claret
Flood Projects Branch
Department of Water Resources
3464 El Camino Avenue, Room 200
Sacramento, CA, 95821

VIA ELECTRONIC MAIL ONLY: PublicCommentARCF16@water.ca.gov

Subject: Draft Supplemental /Environmental Assessment/Environmental Impact Report (SEA/EIR) for the American River Watershed Common Features Project, American River Contract 3A, Sacramento County

Dear Miles Claret:

The California State Lands Commission (Commission) staff has reviewed the Draft SEA/EIR for the American River Common Features Development Act of 2016, American River Contract 3A (Project), which is being prepared by the Central Valley Flood Protection Board (CVFPB), as the lead agency under the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.), and the U.S. Army Corps of Engineers (USACE) as the lead agency under the National Environmental Policy Act (NEPA) (42 U.S.C. § 4321 et seq.). The Commission is a trustee agency for projects that could directly or indirectly affect State sovereign land and their accompanying Public Trust resources or uses. Additionally, because the Project involves work on State sovereign land, the Commission will act as a responsible agency. 1-1

Commission Jurisdiction and Public Trust Lands

The Commission has jurisdiction and management authority over all ungranted tidelands, submerged lands, and the beds of navigable lakes and waterways. The Commission also has certain residual and review authority for tidelands and submerged lands legislatively granted in trust to local jurisdictions (Pub. Resources Code, §§ 6009, subd. (c); 6009.1; 6301; 6306). All tidelands and submerged lands granted or ungranted, as well as navigable lakes and waterways, are subject to the protections of the common law Public Trust Doctrine.

As general background, the State of California acquired sovereign ownership of all tidelands and submerged lands and beds of navigable lakes and waterways upon its admission to the United States in 1850. The State holds these lands for the benefit of all people of the State for statewide Public Trust purposes, which include but are not limited to waterborne commerce, navigation, fisheries, water-related recreation, habitat preservation, and open space. On tidal waterways, the State's sovereign fee ownership extends landward to the mean high tide line, except for areas of fill or artificial accretion or where the boundary has been fixed by agreement or a court.

The Lower American River at the Project site is natural, subject to artificial conditions (dredging, levees, dams, diversions), navigable, tidal, and meandered on both banks on the Rancho and Swamp & Overflowed Survey plats. Therefore, a lease would be required for work in this area. An application is available on our website at OSCAR.slc.ca.gov. Please contact Marlene Schroeder, Public Land Management Specialist, for jurisdiction and leasing requirements for the Project (see contact information at end of letter). Additionally, please ensure that the Commission's Land Management Division staff is included on any future distribution mailing list for the Project.

1-1 cont.

Proposed Project Description

The USACE, CVFPB, and Sacramento Area Flood Control Agency propose to construct levee improvements consisting of approximately 3,000-foot-long bank stabilization project at Site 1-1 which is located on the left bank of the Lower American River (LAR) between river mile 3.8 and river mile 4.2. The Project consists of: the installation of approximately 3,000 linear feet of erosion protection and on-site riparian habitat features along Site 1-1 of the LAR, and associated staging areas, stockpile sites, and haul routes. Site 1-1 was identified as a levee segment that has a high degree of potential failure during high-flow events due to erosion. Project objectives include the following:

- Reduce the chance of flooding and damages, once flooding occurs, and improve public safety preparedness, and emergency response.
- Reduce maintenance and repair requirements by modifying the flood management system in ways that are compatible with natural processes.
- Integrate the recovery and restoration of key physical processes, self-sustaining ecological functions, native habitat, and species.
- Ensure that technically feasible and cost-effective solutions are implemented to maximize the flood risk reduction benefits given the practical limitations of applicable funding sources.

Commission staff understand that removal of vegetation and the installation of bank protection and riparian planting benches would take place on State sovereign land.

1-2

Environmental Review

Commission staff request that the lead agencies consider the following comments on the Draft SEA/EIR.

Cultural Resources

Title to Resources: Commission staff request the Archaeological Discovery Plan (Mitigation Measure CR-2) include a statement that the title to all archaeological sites, and historic or cultural resources on or in the tide and submerged lands of California are vested in the State and under the jurisdiction of the Commission (Pub. Resources Code, § 6313), as follows: "The final disposition of archaeological, historical, and paleontological resources recovered on State lands under the jurisdiction of the California State Lands Commission must be approved by the Commission." Finally, Commission staff request that the lead agencies consult with Staff Attorney Jamie Garrett (see contact information below) should any cultural resources on State land be discovered during construction of the Project. 1-3

Thank you for the opportunity to comment on the Draft SEA/EIR for the Project. As a responsible and trustee agency, the Commission will need to rely on the Final SEIR for the issuance of any lease as specified above and, therefore, we request that you consider our comments prior to certification of the SEIR.

Please send copies of future project-related documents, including electronic copies of the final SEA/EIR, an accessible version of the Mitigation Monitoring and Reporting Program, Notice of Determination, Findings, Statement of Overriding Considerations (if applicable), and approving resolution when they become available. Please refer questions concerning environmental review to Cynthia Herzog, Senior Environmental Scientist, at (916) 574-1310 or cynthia.herzog@slc.ca.gov. For questions concerning archaeological or historic resources under Commission jurisdiction, please contact Staff Attorney Jamie Garrett, at (916) 574-0398 or jamie.garrett@slc.ca.gov. For questions concerning Commission leasing jurisdiction, please contact Marlene Schroeder, Public Land Management Specialist, at (916) 574-2320 or marlene.schroeder@slc.ca.gov. 1-4

Sincerely,

Nicole Dobroski, Chief
Division of Environmental Planning
and Management

cc: Office of Planning and Research
C. Herzog, Commission
J. Garrett, Commission
M. Schroeder, Commission

California Water Boards

Gavin Newsom
Governor

Jared Blumenfeld
Secretary for
Environmental Protection

Central Valley Regional Water Quality Control Board

27 May 2022

Miles Claret
Central Valley Flood Protection Board
3464 El Camino Avenue, Room 200
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COMMENTS TO REQUEST FOR REVIEW FOR THE SUPPLEMENT ENVIRONMENTAL IMPACT REPORT, AMERICAN RIVER WATERSHED COMMON FEATURES PROJECT, AMERICAN RIVER CONTRACT 3A PROJECT, SCH#2005072046, SACRAMENTO COUNTY

Pursuant to the State Clearinghouse's 11 April 2022 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Request for Review for the Supplement Environmental Impact Report* for the American River Watershed Common Features Project, American River Contract 3A Project, located in Sacramento County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore, our comments will address concerns surrounding those issues.

I. Regulatory Setting

Basin Plan

The Central Valley Water Board is required to formulate and adopt Basin Plans for all areas within the Central Valley region under Section 13240 of the Porter-Cologne Water Quality Control Act. Each Basin Plan must contain water quality objectives to ensure the reasonable protection of beneficial uses, as well as a program of implementation for achieving water quality objectives with the Basin Plans. Federal regulations require each state to adopt water quality standards to protect the public health or welfare, enhance the quality of water and serve the purposes of the Clean Water Act. In California, the beneficial uses, water quality objectives, and the Antidegradation Policy are the State's water quality standards. Water quality standards are also contained in the National Toxics Rule, 40 CFR Section 131.36, and the California Toxics Rule, 40 CFR Section 131.38.

2-1

The Basin Plan is subject to modification as necessary, considering applicable laws, policies, technologies, water quality conditions and priorities. The original Basin Plans were adopted in 1975, and have been updated and revised periodically as required, using Basin Plan amendments. Once the Central Valley Water Board has

adopted a Basin Plan amendment in noticed public hearings, it must be approved by the State Water Resources Control Board (State Water Board), Office of Administrative Law (OAL) and in some cases, the United States Environmental Protection Agency (USEPA). Basin Plan amendments only become effective after they have been approved by the OAL and in some cases, the USEPA. Every three (3) years, a review of the Basin Plan is completed that assesses the appropriateness of existing standards and evaluates and prioritizes Basin Planning issues. For more information on the *Water Quality Control Plan for the Sacramento and San Joaquin River Basins*, please visit our website:
http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/

Antidegradation Considerations

All wastewater discharges must comply with the Antidegradation Policy (State Water Board Resolution 68-16) and the Antidegradation Implementation Policy contained in the Basin Plan. The Antidegradation Implementation Policy is available on page 74 at:
https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/sacsjr_201805.pdf

In part it states:

Any discharge of waste to high quality waters must apply best practicable treatment or control not only to prevent a condition of pollution or nuisance from occurring, but also to maintain the highest water quality possible consistent with the maximum benefit to the people of the State.

This information must be presented as an analysis of the impacts and potential impacts of the discharge on water quality, as measured by background concentrations and applicable water quality objectives.

The antidegradation analysis is a mandatory element in the National Pollutant Discharge Elimination System and land discharge Waste Discharge Requirements (WDRs) permitting processes. The environmental review document should evaluate potential impacts to both surface and groundwater quality.

2-1 cont.

II. Permitting Requirements

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit), Construction General Permit Order No. 2009-0009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention

Plan (SWPPP). For more information on the Construction General Permit, visit the State Water Resources Control Board website at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

Phase I and II Municipal Separate Storm Sewer System (MS4) Permits[1]

The Phase I and II MS4 permits require the Permittees reduce pollutants and runoff flows from new development and redevelopment using Best Management Practices (BMPs) to the maximum extent practicable (MEP). MS4 Permittees have their own development standards, also known as Low Impact Development (LID)/post-construction standards that include a hydromodification component. The MS4 permits also require specific design concepts for LID/post-construction BMPs in the early stages of a project during the entitlement and CEQA process and the development plan review process.

For more information on which Phase I MS4 Permit this project applies to, visit the Central Valley Water Board website at: http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/

For more information on the Phase II MS4 permit and who it applies to, visit the State Water Resources Control Board at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.shtml

2-1 cont.

Industrial Storm Water General Permit

Storm water discharges associated with industrial sites must comply with the regulations contained in the Industrial Storm Water General Permit Order No. 2014-0057-DWQ. For more information on the Industrial Storm Water General Permit, visit the Central Valley Water Board website at: http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/industrial_general_permits/index.shtml

Clean Water Act Section 404 Permit

If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed from the United States Army Corps of Engineers (USACE). If a Section 404 permit is required by the USACE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration

[1] Municipal Permits = The Phase I Municipal Separate Storm Water System (MS4) Permit covers medium sized Municipalities (serving between 100,000 and 250,000 people) and large sized municipalities (serving over 250,000 people). The Phase II MS4 provides coverage for small municipalities, including non-traditional Small MS4s, which include military bases, public campuses, prisons and hospitals.

Permit requirements. If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACE at (916) 557-5250.

Clean Water Act Section 401 Permit – Water Quality Certification

If an USACE permit (e.g., Non-Reporting Nationwide Permit, Nationwide Permit, Letter of Permission, Individual Permit, Regional General Permit, Programmatic General Permit), or any other federal permit (e.g., Section 10 of the Rivers and Harbors Act or Section 9 from the United States Coast Guard), is required for this project due to the disturbance of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications. For more information on the Water Quality Certification, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_certification/

Waste Discharge Requirements – Discharges to Waters of the State

If USACE determines that only non-jurisdictional waters of the State (i.e., "non-federal" waters of the State) are present in the proposed project area, the proposed project may require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation. For more information on the Waste Discharges to Surface Water NPDES Program and WDR processes, visit the Central Valley Water Board website at:https://www.waterboards.ca.gov/centralvalley/water_issues/waste_to_surface_water/

Projects involving excavation or fill activities impacting less than 0.2 acre or 400 linear feet of non-jurisdictional waters of the state and projects involving dredging activities impacting less than 50 cubic yards of non-jurisdictional waters of the state may be eligible for coverage under the State Water Resources Control Board Water Quality Order No. 2004-0004-DWQ (General Order 2004-0004). For more information on the General Order 2004-0004, visit the State Water Resources Control Board website at: https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2004/wqo/wqo2004-0004.pdf

Dewatering Permit

If the proposed project includes construction or groundwater dewatering to be discharged to land, the proponent may apply for coverage under State Water Board General Water Quality Order (Low Threat General Order) 2003-0003 or the Central Valley Water Board's Waiver of Report of Waste Discharge and Waste Discharge Requirements (Low Threat Waiver) R5-2018-0085. Small temporary construction dewatering projects are projects that discharge groundwater to land from excavation

2-1 cont.

activities or dewatering of underground utility vaults. Dischargers seeking coverage under the General Order or Waiver must file a Notice of Intent with the Central Valley Water Board prior to beginning discharge.

For more information regarding the Low Threat General Order and the application process, visit the Central Valley Water Board website at: http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf

For more information regarding the Low Threat Waiver and the application process, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/waivers/r5-2018-0085.pdf

Limited Threat General NPDES Permit

If the proposed project includes construction dewatering and it is necessary to discharge the groundwater to waters of the United States, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. Dewatering discharges are typically considered a low or limited threat to water quality and may be covered under the General Order for *Limited Threat Discharges to Surface Water* (Limited Threat General Order). A complete Notice of Intent must be submitted to the Central Valley Water Board to obtain coverage under the Limited Threat General Order. For more information regarding the Limited Threat General Order and the application process, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076-01.pdf

2-1 cont.

NPDES Permit

If the proposed project discharges waste that could affect the quality of surface waters of the State, other than into a community sewer system, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. A complete Report of Waste Discharge must be submitted with the Central Valley Water Board to obtain a NPDES Permit. For more information regarding the NPDES Permit and the application process, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/help/permit/

If you have questions regarding these comments, please contact me at (916) 464-4684 or Peter.Minkel2@waterboards.ca.gov.

Peter Minkel

Peter Minkel
Engineering Geologist

cc: State Clearinghouse unit, Governor's Office of Planning and Research, Sacramento

SACRAMENTO METROPOLITAN
AIR QUALITY
MANAGEMENT DISTRICT

May 23, 2022

Flood Projects Branch
Department of Water Resources
3464 El Camino Avenue Room 200
Sacramento, CA 95821
PublicCommentARCF16@water.ca.gov

Public Affairs Office
U.S. Army Corps of Engineers
1325 J Street Room 1513
Sacramento, CA 95814
ARCF_LARC3A@usace.army.mil

Subject: Draft Supplemental Environmental Assessment/Environmental Impact Report for American River Watershed Common Features Project, American River Contract 3A (SAC201301442)

To Whom It May Concern:

Thank you for providing the Draft Supplemental Environmental Assessment/Environmental Impact Report (DSEA/DSEIR) for American River Watershed Common Features Project, American River Contract 3A to the Sacramento Metropolitan Air Quality Management District (Sac Metro Air District) for review. The project includes the installation of approximately 3,000 linear feet of erosion protection and on-site riparian habitat features along Site 1-1 of the Lower American River, and associated staging areas, stockpile sites and haul routes. The Sac Metro Air District is required by the California Health and Safety Code to represent the residents of Sacramento County in influencing the decisions of other agencies whose actions may have an adverse impact on air quality. In that spirit, Sac Metro Air District staff provides the following comments on the DSEA/DSEIR.

Air Quality Analyses

The air quality section of the DSEA includes a qualitative analysis of project emissions (DSEA, pages 3-44 through 3-48). The analysis indicates the current project is similar in nature but less intensive than the Lower American River Contract 1 project[1] and includes the emissions from the Contract 1 project in Table 3-5 rather than emissions for the Contract 3A project. Sac Metro Air District recommends the DSEA reference the quantitative emissions analysis conducted for the Contract 3A project that is presented in the air quality section of the DSEIR for a more accurate estimate of project emissions and full disclosure (DSEIR, Table 3-12, page 3-124). Additionally, Sac Metro Air District recommends a table of annual emissions be included in the DSEA/DSEIR to compare to the General Conformity de minimis thresholds.

3-1

Mitigation Fees and General Conformity

Because the project is part of the American River Common Features Project which included a General Conformity Determination (copy provided in Appendix E), it is important to clarify in the DSEA/DSEIR that in the years the Army Corps will be purchasing emission reduction credits/offsets (2022 and 2023)

3-2

[1] Final SEA/EIR American River Contract 1: https://www.spk.usace.army.mil/Portals/12/documents/civil_works/CommonFeatures/WRDA16/Documents/AmericanRiver/ARCF_ARC1_Final-SEA-SEIR_March2021.pdf?ver=P-l8ZasQad-yURkC2S5WIA%3d%3d.

for NOx emissions, the contractors will not be required to pay mitigation fees to the Sac Metro Air District (DSEIR page 3-129 mitigation measure AQ-5, DSEA pages 3-47 and 48).

3-2 cont.

Bicycle and Pedestrian Considerations

As part of transportation mitigation measures TR-1 and TR-2, Sac Metro Air District encourages the Army Corps to consult with Civic Thread (formerly WalkSacramento)[2], Sacramento Area Bicycle Advocates[3], and neighborhood associations[4] in the impacted areas to ensure safe and convenient bicycle and pedestrian detour routes are established during construction and the community is well informed of the changes (DSEIR pages 3-112-113, DSEA page 3-51).

3-3

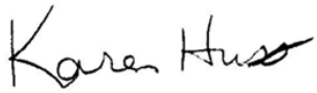
Implementing Mitigation and Environmental Commitments

Sac Metro Air District recommends that all air quality and greenhouse gas mitigation measures from the DSEA/DSEIR and environmental commitments from the General Conformity Determination be clearly stated in construction specifications and contracts. This will help to ensure the measures will be implemented. It is especially important to disclose the General Conformity Determination commitments to use tier 4 engines, and 2010 and newer haul trucks during construction.

3-4

Thank you for considering these comments. You may contact me at khuss@airquality.org or 279-207-1131 if you have any questions.

Sincerely,



Karen Huss

Associate Air Quality Planner/Analyst

cc: Paul Philley, AICP, Program Supervisor, Sac Metro Air District
Kathryn Canepa, Civic Thread
Deb Banks, Sacramento Area Bicycle Advocates
Timothy Murphy, Army Corps Environmental Manager

[2] Civic Thread: https://civicthread.org/
[3] Sacramento Area Bicycle Advocates: https://sacbike.org/
[4] City of Sacramento Neighborhood Directory: https://www.cityofsacramento.org/economic-development/community-engagement/neighborhood-directory

Ann Edwards
County Executive

Mike Penrose
Interim Deputy County Executive
Community Services Agency

Regional Parks
Liz Bellas - Director

County of Sacramento

May 27, 2022

Public Affairs Officer
USACE Sacramento District
1325 J Street -- Room 1513
Sacramento, CA 95814
ARCF_LARC3A@usace.army.mil

RE: American River Contract 3A

To whom it may concern:

Thank you for providing Sacramento County Department of Regional Parks (Regional Parks) the opportunity to provide comments on the proposed project's Draft Supplemental SEA/EIR (Document). We have the principal responsibility of administration and management of the American River Parkway (Parkway) and as such must ensure that proposed actions are consistent with the American River Parkway Plan, the management plan for the federal and state Wild and Scenic Rivers Act.

We understand that the project partners will continue to coordinate with Regional Parks, through the Bank Protection Working Group, as well as with our planning efforts to align on the most reasonable long-term approach to mitigation in the American River Parkway (Parkway).

Our comments pertain to public outreach, trail detours, mitigation, and operations & maintenance.

Public Outreach

- We appreciate the public outreach that the USACE continues to provide to the Parkway users, stakeholders, and to the surrounding community through press releases, public meetings, social media, and other means. 4-1

- In addition to the proposed signage for closures and detours, we request that each project area should provide signage with a project 4-2

description to communicate what is happening in the area to Parkway users. 4-2 cont.

Trail Closures and Detours

- We appreciate the Document's attention to detail regarding public outreach and notification outline in Mitigation Measure REC-1: Avoid and Minimize Effects on Recreational Use. 4-3

- Regional Parks coordinates with local user groups and stakeholders to review specific detours and respectfully requests to comment on all planned trail closures and detours in addition to the City of Sacramento Bicycle and Pedestrian Coordinator to incorporate feedback from these user groups. Trail detours should be developed well in advance of the trail closures, not ten days prior. 4-4

- Trail closures should be posted at a minimum two weeks in advance to give adequate notice to Parkway users, and this provision should be included in all contract specification language. 4-5

- Trail closures and detours should also not just be posted in the general vicinity of the project, but also far enough away from the project site to give Parkway users advanced notice of such closures and detours so that their trail use can be adjusted accordingly. 4-6

Mitigation

- Regional Parks requests that damage and loss to the natural resources be mitigated within the American River Parkway and that the use of purchased credits and in lieu fees be limited.

  The American River Parkway Plan's Policy 3.1 states that any development of facilities within the Parkway, shall be designed and located such that any impact upon native vegetation is minimized and appropriate mitigation measures are incorporated into the project to provide mitigation and enhancements to the parkway's natural, recreational, or interpretive resources. Policy 4.10 is similar to Policy 3.1 but explicitly indicates that mitigation should be close to the site of the adverse impact, unless such mitigation creates other undesirable impacts. The goal is to replace, repair, or restore adversely impacted resources as close as feasible in time and place to the impact. Thus "in lieu" and mitigation bank fees do not meet these standards. 4-7

- Regional Parks requests that the annual habitat monitoring report(s) for both on-site and off-site mitigation be provided to Regional Parks, as well as the data. 4-8

Operations and Maintenance

- Section 2.3.6 of the Draft Supplemental EIR provides the general details of the long-term operations and maintenance for the levee and the bank protection. The project proponents should coordinate with Regional Parks on the management plan(s) for the on-site and off-site mitigation within the Parkway.

4-9

We appreciate the opportunity to comment. If you have any questions please contact Mary Maret at (916) 875-4918 or maretm@saccounty.gov.

Cordially,

Liz Bellas

Liz Bellas
Director

Department of Transportation
Ron E. Vicari, Director

Divisions
Administration
Maintenance & Operations
Engineering & Design

County of Sacramento

May 27, 2022

Public Affairs Office
U.S. Army Corps of Engineers
1325 J Street, Room 1513
Sacramento, CA 95814
ARCF_LARC3A@usace.army.mil

Via Email

SUBJECT: COMMENTS ON NOA OF THE DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT / ENVIRONMENTAL IMPACT REPORT FOR THE AMERICAN RIVER WATERSHED COMMON FEATURES PROJECT, AMERICAN RIVER CONTRACT 3A.

To Whom It May Concern:

The Sacramento County Department of Transportation (SACDOT) has reviewed the NOA of the Draft Supplemental Environmental Assessment / Environmental Impact Report for the American River Watershed Common Features Project, American River Contract 3A (Project), dated April 2022. We appreciate the opportunity to review this document. We have following comments to offer:

1. **General.** The proposed improvements will generate a high volume of trucks and the heavy weight associated with these trucks will significantly degrade affected County roadways and shorten the life of the pavement. Due to the roadway impacts, a site specific study should be done for this improvement area. Although the Draft SEA/SEIR summarizes the construction material volumes in Table 2-2, SacDOT requests more specific information regarding the trip distribution of the proposed haul routes seen in Figure 2-12. The study should contain detailed truck traffic information along proposed haul routes, haul volumes per truck (soil and rock), associated haul truck types, number and frequency of trucks, proposed hauling hours, and associated roadway traffic volumes. Based on the results of the project specific reports, the project applicant should provide to Sacramento County a summary of the roadway impacts and proposed remediation efforts that will be undertaken by the project sponsor to account for County roadway degradation and damage. 5-1 5-2 5-3

2. **General.** Please coordinate with the SACDOT staff in implementing the Traffic Safety and Control Plan for construction related truck traffic and any bike trail and/or roadway closures. 5-4

Comments on the NOA of the Draft Supplemental Environmental Assessment / Environmental Impact Report for the American River Watershed Common Features Project, American River Contract 3A

3. **Conclusions**. As noted above, SACDOT requests the following information regarding the project window regarding the Howe Ave, Hurley Way, and Ethan Way Route:

    a. Truck Traffic Distribution Along Proposed Haul Routes
    b. Volume/tonnage per truck (soil and rock)
    c. Haul truck types
    d. Number and Frequency
    e. Hauling hours
    f. Associated traffic and volumes produced on the roadways
    g. Summary of roadway impacts and remediation efforts from the project sponsor
    h. Detour routes

5-5

If you have any questions please email me at gasperig@saccounty.net.

Sincerely,

Gary Gasperi

Digitally signed by Gary Gasperi
Date: 2022.05.27 12:35:21-07'00'

Gary Gasperi P.E.
Senior Civil Engineer
Department of Transportation

GG/gg

cc: Matthew Darrow, DOT
Cameron, Shew, DOT
Lupe Rodriguez, DOT
Kamal Atwal, DOT
Tim Cress, DOT

City of SACRAMENTO
Department of Public Works

Transportation Division

City Hall
915 I Street, 2nd Floor
Sacramento, CA 95814-2604
(916) 808-5307

May 27, 2022

Public Affairs Office
U.S. Army Corps of Engineers
1325 J Street, Room 1513
Sacramento, CA 95814
Email: ARCF_LARC3A@usace.army.mil

SUBJECT: **Draft Supplemental Environmental Impact Statement/Environmental Impact Report (EA/EIR) for American River Watershed Common Features Project, American River Contract A (Project)**

Thank you for including the City of Sacramento in the environmental review process for the project referenced above.

The project includes installation of erosion protection along 3,000 feet of a levee segment on the left side of the Lower American River. The segment is at I-80 and east of Sutter Landing Regional Park and the City's River Park neighborhood. The draft Supplemental EA/EIR analyzes specific details including staging areas and haul routes. The contractor's vehicles would access the Project Area from the state highway system via Business I-80. The nearest highway interchanges to the Project Area include the freeways, highways and local roads around Business I-80 near Exposition Blvd and E St. 6-1

The City of Sacramento Department of Public Works has the following comments on the project: 6-2

1. The project should provide an improved quantitative analysis of roadway impacts to city neighborhood street and provide mitigation based on that quantitative analysis.

   Transportation and Circulation Section 3.11 discusses a qualitative analysis of impacts that was conducted to determine whether the Contract 3A project would have additional transportation impacts compared to the recent LAR Contract 1 project. Contract 1 is said to serve as a useful proxy for the types of impacts that could be expected under Contract 3A because the types of materials and haul routes are similar for Contract 3A. 6-3

   The reader is directed to Table 3-2 and Table 3-3, which appear in the previous Air Quality section. Because the tables show Contract 3A will require 69,520 cubic yards of material 6-4

to be hauled vs the 236,100 cubic yards required for Contract 1, the document concludes that work under Contract 3A would have less impacts than Contract 1. 6-4 cont.

In actuality, the city has been experiencing specific impacts from other levee contracts on city streets including: 6-5

- Large amounts of trucks traveling at high speeds.
- Trucks not stopping properly at stop signs and / or yielding to pedestrians at crosswalks.
- Access impacts to businesses, schools, and residences.
- Poor or lack of coordination and information being shared with the neighborhood, businesses, and schools.
- Pedestrian and bicycle connectivity is impacted.
- Streets have excessive soil and rocks due to trucks losing material during travel.

Thus, this draft supplemental EA/EIR's reliance of conclusions of less than significant impacts from a qualitative comparison of Contract 3A with previous Contract 1 should rather be based on a thorough quantitative analysis specifically for impacts anticipated under Contract 3A. 6-6

2. The project should provide enforceable mitigation measures. The project document currently contains mitigation measures, such as on page 3-51 of Section 3.11 of the DSEIR, that rely exclusively on a future contractor. The document contains language that a future contractor would be responsible for preparing a Traffic Control and Road Maintenance Plan that would include items provisions related to bicycle and pedestrian access such as providing signs along affected pedestrian and bicycle pathways announcing scheduled closures and recommended detour routes, placing signal personnel at intersections of construction vehicle pathways and active bicycle and pedestrian facilities, and a statement that the future contractor would assess damage to roadways used during construction and the UPRR at-grade railroad crossing and would repair all potholes, fractures, or other damages. 6-7

   The City requests enforceable mitigation measures to mitigate all impacts from haul trucks, including:

   - Public safety hazards
   - Emergency access
   - Impacts related to deterioration of the physical condition of roadways used as haul routes
   - Decreased parking availability for those wanting to visit Sutter's Landing Park.

3. The project should analyze an alternative access point at the O'Sullivan Bridge to provide the city with needed flexibility during construction: The city has concerns about the impacts created by the ingress and egress of trucks at the intersection of H Street, J Street, and Carlson Drive. Due to the potential operating difficulties at this intersection, an alternative ingress/egress point should be analyzed to provide options and flexibility depending on actual site conditions. An existing access point at the north-west quadrant of the Tara O'Sullivan bridge could be included to provide this alternative.

6-8

4. The project's proposed mitigation should ensure access for pedestrians and bicycle trails is maintained and include:
    a. Provision of driveway access control between levees and City roadways so that pedestrian, and bicycle movements are maintained.
    b. Clear rerouting of pedestrian and bicycle trails and installation of signage for traffic and alternative transportation routes.
    c. Early notification to affected neighborhoods. Neighbors living in the City's River Park neighborhood would be impacted by haul trucks. As shown in Figure 2-12, haul trucks are anticipated to enter the project area from Sutter's Landing, travel along the levee crown and egress at Glenn Hall Park using a temporary access route at the park.
    d. Haul routes include one way access from I-80 at 29th St into Sutter's Landing Park. City residents recreating at the City's Sutter's Landing Regional Park would be impacted by haul trucks traveling through portions of the City Park and by use of portions of the park for staging areas. While recreational facilities within Sutter's Landing Regional Park would remain open to the public, the with traffic safety measures in place (e.g. signage, flaggers, etc.) to prevent accidents during hauling of construction materials and equipment.
    e. While flaggers are proposed to direct traffic in areas where construction equipment would conflict with pedestrian crossings, or bicycle or automobile traffic, the City requests additional measures to mitigate all impacts from haul trucks.
    f. Early coordination with the City's Active Transportation Commission. Please contact Jennifer Donlon Wyant, Transportation Planning Manager, City of Sacramento, Department of Public Works, Transportation Division, JDonlonWyant@cityofsacramento.org

6-9

5. The construction Contractor must provide a construction traffic control plan per City Code 12.20.030 to the satisfaction of the City Traffic Engineer.

The plan shall ensure that acceptable operating conditions on local roadways and freeway facilities are maintained. At a minimum, the plan shall include:

- The number of truck trips, time, and day of street closures.
- Time of day of arrival and departure of trucks.
- Limitations on the size and type of trucks, provision of a staging area with a limitation on the number of trucks that can be waiting.
- Provision of a truck circulation pattern.
- Maintain safe and efficient access routes for emergency vehicles.
- Manual traffic control when necessary.
- Proper advance warning and posted signage concerning street closures.
- Provisions for pedestrian safety.

A copy of the construction traffic management plan shall be submitted to local emergency response agencies and these agencies shall be notified at least 14 days before the commencement of construction that would partially or fully obstruct roadways.

6-9 cont.

Please provide our office with copies of any further actions regarding this project.

6-10

If you have any questions regarding these comments, please contact me at (916) 808-8930 or by email at pclarke@cityofsacramento.org

Sincerely,

Pelle Clarke, PE
Senior Engineer
City of Sacramento
Department of Public Works, Traffic Engineering

Save the American River Association

8836 Greenback Lane, Suite C • Orangevale, CA 95662
916-936-4555 • E-mail: info@SARAriverwatch.org • www.SARAriverwatch.org

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May 27, 2022

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Flood Projects Office
Department of Water Resources
3464 El Camino Avenue Room 150
Sacramento, CA 95821
PublicCommentARCF16@water.ca.gov
Via Email

Subject: American River Contract 3A

Dear Sir or Madam:

Save the American River Association (SARA) was founded in 1961 to establish the American River Parkway. We have continued for 61 years as the lead advocate for the protection and conservation of the lower American River and Parkway. We appreciate the opportunity to make the following comments on the *American River Contract 3A*. The intent of these comments is not to protest the Proposed Action, but to ensure that the impacts to the lower American River and Parkway are fully mitigated for the good of Sacramento's "crown jewel."

Section 2.3.1, Page 2.7 – The text reads: ***"The potential effects of the Proposed Action of the species and/or their critical habitat originally covered in the BOs for the ARCF GGR EIS/EIR have been re-evaluated based on the updated designs to ensure all aspects of the Proposed Action are addressed. As a result, the USFWS BO and NMFS BO were reissued in March 2021 and May 2021, respectively."***

7-1

These documents are pertinent to the Proposed Action and should be included in the final environmental document as an Appendix, as well as posted on the USACE website for the American River Levees projects with the other relevant environmental compliance documents.

Section 2.3.2.1, Page 2-20 – The text reads: *"In addition to transplanting elderberry shrubs, compensatory mitigation for the loss of habitat for the VELB would be required at a 3:1 ratio at the offsite mitigation site(s), which could include existing mitigation bank(s) and/or mitigation sites outside the Parkway."*

The specific mitigation for VELB Contract 3A should be disclosed at this time (i.e., amount and location), and specifically whether any mitigation will include existing mitigation bank(s), and or mitigation sites outside the Parkway. Mitigation occurring outside of the Parkway, including at mitigation banks, shall be based on documentation included in the current environmental document demonstrating that suitable mitigation sites are not available in the Parkway.

> **The essential rule for proper deferral of the specifics of mitigation was established In Sacramento Old City Assoc. v. City Council of Sacramento (1991) 229 Cal. App. 3d 1011. This case held that the City of Sacramento had correctly deferred the selection of specific mitigation measures to reduce the parking impacts from the expansion of its convention center. Under the reasoning established in this case and cited in many decisions since, in order to meet CEQA's requirements a mitigation measure must meet one of the following conditions:**
>
> - **The agency must commit itself to the mitigation by identifying and adopting one or more mitigation measures for the identified significant effect. The mitigation measure must also set out clear performance standards for what the future mitigation must achieve.**
> - **Alternatively, the agency must provide a menu of feasible mitigation options from which the applicant or agency staffs can choose in order to achieve the stated performance standards.**
>
> ***From 2022 CEQA Statute and Guidance, p.8:***

7-2

Section 2.3.2.1, Page 2-20 – Regarding mitigation from impacts on salmonid and riparian habitats occurring at Site 1-1, it is stated that *"Because mitigation ratios are higher than 1:1, it is not possible to mitigate for all impacts of the Proposed Action on site. Impacts that are not mitigated for onsite(s) would be mitigated at offsite mitigation sites and/or through conservation bank credits."*

7-3

The specific mitigation for Contract 3A (i.e., amount and location) to be located at offsite mitigation site(s) should be identified at this time, as well as identifying whether conservation bank credits will be utilized. Mitigation occurring outside of the Parkway, including at mitigation banks, should be based on documentation included in the current environmental documents that demonstrates that suitable mitigation sites are not available in the Parkway.

Impacts from Contract 3A are not reduced to less-than-significant for 10-15 years due to the replacement "lag time" for fully functioning maturity. That is a long time for riparian habitat to

be out of commission for the range of species, like insects, and organisms that live in soil, that depend on it. These impacts could significantly reduce species recruitment, compounded over time, and impact adjacent or nearby habitat as displaced species look for space and resources. If destination habitat is already near or at carrying capacity, or, because of the displacement is brought to carrying capacity, these individuals and their offspring might not survive. Affected species could include species of insects for which there isn't enough vegetation to support breeding, egg-laying, and feeding. In turn, less food is produced for birds, fish, lizards, turtles, and other insect eaters. Because of this, and because of the loss of scarce shaded riverine aquatic habitat, a key component of salmonid habitat, SARA believes that a mitigation ratio greater than 2:1 (3-4:1) is warranted and reasonable. 7-3 cont.

SARA proposes that the area in the Parkway known as "Sutter's Landing Park" – identified as "Protected Area" in the 2008 American River Parkway Plan – be given priority as a site for mitigation for the loss of sensitive habitats including riparian woodland and scrub, waters of the United States, and waters of the State from the Proposed Action. A careful study and analysis of this area will reveal that existing shaded riverine, riparian woodland and scrub habitats have been degraded over time by misuse, erosion, and neglect. The potential for high value restoration of natural resources immediately downriver of the Proposed Action and its significant impacts on sensitive river habitats is consequential. 7-4

See attached "28th Street Landfill Tree Removal Mitigation Committee Report and Recommendations" for an overview of the ecological importance of the Parkway at Sutter's Landing Park.

In addition, the USACE should consider tributaries that connect to the lower American River, regardless of whether they are seasonal, with riparian and wetland values that need to be restored and maintained as areas for offsite mitigation. Hopefully we are able to utilize a local watershed approach to riparian and wetland mitigation – after onsite mitigation is exhausted. The highly compromised Steelhead Creek and Bannon Island near Discovery Park should be considered. 7-5

Section 2.3.3.2, Page 2-25 – It is indicated that the three-year maintenance schedule for on-site mitigation includes having maintenance crews mow weeds to below six inches in height during the growing season, and weeding planting basins to less than 12 inches in height. Although mowing can be an important maintenance tool, it is unlikely to be sufficient to meet required success criteria and performance standards. Please indicate the full complement of techniques and protocols that will be used to address non-native plants including invasive vegetation. 7-6

Section 2.3.4.5, Page 31 and Figure 2-6 – Figure 2-6 depicts four staging areas within Sutter's Landing Regional Park. Three are within paved or cement parking areas, and one is a previously disturbed area located on the landside of the levee near Capital City Freeway. As proposed, all staging areas would be restored to the original pre-existing contour and condition or as agreed to by the property owner. Given that the staging area near the Capital City Freeway is located just across from Site 1-1, it would be a shame to just return this area to its former condition, a weedy, 7-7

disturbed area. Consequently, it is recommended that this staging area be restored to riparian habitat as an extension of the City's successful riparian restoration site adjacent to and just west of the staging area. This could be used to partially meet the riparian mitigation requirements for impacts at Site 1-1.

See attached "28th Street Landfill Tree Removal Mitigation Committee Report and Recommendations" for a full description of the City's project.

7-7 cont.

Section 3.4.3.2, Page 3-30 – Table 3-4 entitled "Existing and Restored Habitat Areas in Site 1-1" shows 30.62 acres impacted and 10.84 acres of habitat created on Site 1-1. Based on this table and the discussion on Pages 3-29, 3-31, 3-32 and 3-33, it is unclear exactly how much off-site mitigation will be implemented for Contract 3A. As described above, these 10-to-15-year temporal losses at riparian mitigation sites to pre-project maturity and function are cumulatively considerable, with impacts to wildlife compounded based on reproduction rate. Impacts to riparian habitat and wildlife from recreational use and illegal camping contribute cumulatively, along with other projects listed in Chapter 4, Cumulative Effects. When the lower American River and Parkway as a public natural resource is evaluated as a whole, the degree of ecological impacts from these necessary bank protection and levee projects, along with anticipated present and future projects, warrant a greater mitigation rate and inclusion for mitigation any riparian and wetland habitat, local tributaries in and that affect the watershed. Provide a table and figure for off-site mitigation due to impacts at Site 1-1, including temporary construction impacts (e.g., access, haul routes, staging areas, and stockpile locations.)

Identify the amount of habitat created by habitat type and specific locations (i.e., type of habitat at each location.)

7-8

Section 3.4.3.2, Page 3-31 – It is stated that: "*12.77 acres of off-site riparian habitat would be created at off-site locations including but not limited to Glenn Hall, Rio Americano East and West, Rossmoor East and West, and Arden Pond.*" For this project-specific supplemental environmental document, it is appropriate and necessary to identify the specific mitigation (types, amounts and locations) being proposed to mitigate impacts associated with Contract 3. The document needs to specifically identify what habitat types are being restored at each off-site location for Contract 3A impacts. Otherwise, it is impossible to verify what specific habitats are being restored to mitigate for Contract 3A impacts as compared to past and future USACE projects (i.e., Contract 1, Contract 2, Contract 3B, Contract 4, etc.), and to track the success of mitigation and/or the need for corrective attention for each of the projects. What are the success criteria?

7-9

Section 3.4.3.2, Page 3-31 – USACE representatives have previously indicated that the Arden Pond mitigation site evaluated in the environmental document for Contract 2 was put on hold pending the outcome of the mitigation sites alternatives analysis and would not be reconsidered without further public input. Please verify that this is the case, and that mitigation for Contract 3A will not occur at Arden Pond without a specific proposal and early public review.

7-10

Section 3.4.3.2, Page 3-31 – It is stated that: *"Non-native grassland would be replaced on-site with 6.63 acres of native grassland. This area would be restored after construction by seeding native grassland plant species in this area."*

IT IS IMPORTANT TO NOTE THAT THE PREVIOUSLY PREPARED "Habitat Mitigation, Monitoring, and Adaptive Management Plan – American River Commons Features General Reevaluation Report (December 2015)" does not specially address grassland habitat. It appears, based on Figure 3-1, and from a site visit, the non-native grasses being restored are on the upper portion of the waterside of the levee at Site 1-1. However, this is not clearly identified in the environmental document. The concern is that the plan is to seed with natives, and then hope for the best. Is the 6.63 acres a site for people to walk through or use for recreation of any kind? Is this a formerly native 6.63 grassland, or has it been converted at some point and/or for some reason from another vegetative community? How will the ground be prepared for seeding? What is the composition of the grass mix and from where will it be sourced? How will the non-native grasses, broadleaf weeds and thistles be dealt with pre- and post- restoration? Does the project include fencing? Monitoring and Management duration? Replacement strategy for losses and/or corrective action should the native grass mix not grow robustly or evenly throughout the site? Success criteria? Because it is not clear that this native grassland restoration has a plan, it is recommended that a custom-made grassland restoration plan for Site 1-1 be developed, in consultation with the Central Valley Bird Club, that includes objectives and implementation strategy, success criteria, mitigation monitoring strategy, and an adaptive management strategy. This will ensure that the proposed native grassland habitat will be successful and provide the intended mitigation. 7-11

Mitigation Measure Veg-2: Compensate for Riparian Habitat Removal states that "the riparian replacement habitat would create habitat connectivity and wildlife migratory corridors…" How? Does the habitat at its pre-project baseline provide connectivity and does it function as a wildlife corridor? If so, then this measure would merely restore to baseline what now exists, not create it. If, conversely, this VEG-2 mitigation area does not at baseline provide habitat connectivity, the habitat replacement itself won't create it; additional mitigation measures would be required to connect habitat patches and provide appropriate protective vegetative cover species. Furthermore, this document cannot make that assumption without analyses of the cumulative impacts and subsequent mitigation from the Two Rivers Trail Phase II project, the Common Features, Contract 1 project, the SR 61 Bridge-widening project and Contract 3A. The cumulative impacts analyses and mitigation measures need to be identified on a map and described in the mitigation section. 7-12

2.3.4.2, Page 2-26 – "*As depicted on Figure 2-12, haul trucks would travel to the staging areas using the main ingress points at either the Sutter's Landing Regional Park entrance located off of 28th Street…Haul trucks would travel along the top of the levee crossing the paved trail adjacent to the 28th and B Street Skate Park.*" This route takes the truck traffic, with attendant noise, dust and danger, right by the 111 acre mound that currently provides valuable habitat and 7-13

foraging for wildlife including the threatened Swainson's Hawk, fully protected White-tailed Kite, the Northern Harrier designated as a California Species of Special Concern, and other wildlife species such as tree swallows, meadow lark, ash-throated flycatcher, red-shouldered hawk, red-tailed hawk, white throated swift, great horned owl, coyotes and others. Coyotes are often seen leaving the protected, fenced area of the mound, heading across the levee top and paved bike trail to access the river. The SEIR/EA does not adequately study and address potentially significant impacts to wildlife from loss of the mound as an important habitat and foraging area adjacent to the American River due to impacts from haul truck traffic.

7-13 cont.

Mitigation Measure BATS-1: Implement Measures to Protect Maternity Roosts of Special-Status Bats.

While the SEIR/EA did not identify significant impacts to bats, special-status or otherwise, SARA would like to encourage the USACE to work with Caltrans to add bat habitat to their SR 61 Bridge-widening project in the immediate area of the Proposed Action.

7-14

And last comment is a request to please notify SARA when the final environmental document is published.

7-15

We greatly appreciate the courtesy of your time and attention regarding our concerns and look forward to working with the USACE on all its levee improvement projects up and down the lower American River.

Sincerely,

Stephen Green

Stephen Green
President
Save the American River Association

City of Sacramento
City Council

9

915 I Street, Sacramento, CA, 95814
www.CityofSacramento.org

Meeting Date: **3/13/2012** **Report Type:** Staff/Discussion

Title: 28th Street Landfill Tree Removal Mitigation Committee Report and Recommendations

Report ID: 2012-00269

Location: District 3

Recommendation: Pass a Resolution: 1) approving the 28th Street Landfill Tree Removal Mitigation Committee Report to City Council; and 2) approving a determination of exemption under the California Environmental Quality Act.

Contact: J.P. Tindell, Park Planning & Development Manager, (916) 808-1955, Department of Parks and Recreation; Steve Harriman, Integrated Waste General Manager, (916) 808-4949, Department of General Services

Presenter: J.P. Tindell; Corey Brown, Mitigation Committee Chair

Department: Parks & Recreation Department / Department of General Services
Division: Park Planning & Development Ad
Dept ID: 19001111

Attachments:

1-Description/Analysis
2-Powerpoint Presentation
3-Resolution
4-Exhibit A (Final Report & Recommendations)

City Attorney Review
Approved as to Form
Janeth D. San Pedro
3/8/2012 8:53:31 AM

City Treasurer Review
Reviewed for Impact on Cash and Debt
Russell Fehr
3/5/2012 3:10:39 PM

Approvals/Acknowledgements

Department Director or Designee: Jim Combs - 3/7/2012 11:58:48 AM

Back to Table of Contents

Description/Analysis

Issue: The purpose of this report is to update City Council on the activities of the 28th Street Tree Removal Mitigation Committee (Committee) as required by Resolution 2011-609. On November 8, 2011, City Council adopted this Resolution, in response to the removal of trees and other vegetation from the closed landfill retention basin in Sutter's Landing Park in September 2011. Resolution 2011-609 directed staff to:

- Form a mitigation committee comprised of community representatives to develop a plan that accomplishes the following goals:

    1. Identification of the environmental impacts of the cottonwood tree removal (at Sutter's Landing Park) including possible loss of habitat value.
    2. Development of an implementation plan for full restoration of habitat values lost as a result of the project.
    3. Identification and evaluation of strategies to manage the closed landfill in ways that are compatible with the habitat values and potential uses at Sutter's Landing Park and the American River Parkway.
    4. Providing effective public communication and outreach strategies.

- Establish policies to avoid a similar situation from occurring again.

- Report back to City Council with recommendations.

The attached *28th Street Landfill Tree Removal Mitigation Committee Report to City Council* (Report) provides recommendations to the City Council from the Committee on how to accomplish the goals established in Resolution 2011-609 while meeting the City's post-closure requirements for the Landfill and maintaining consistency with the *Sutter's Landing Park Master Plan*. Staff is recommending that City Council approve the Report, with the amendments proposed by the Parks and Recreation Commission as discussed below, and approve a determination of exemption under the California Environmental Quality Act.

Policy Considerations: The Committee and City staff has developed an action plan that is consistent with City policy and the California Environmental Quality Act (CEQA).

Environmental Considerations:

California Environmental Quality Act (CEQA): The Environmental Services Manager has reviewed the 28th Street Landfill restoration project for compliance with the requirements of the California Environmental Quality Act (CEQA) and determined that the restoration activities that are recommended in the Report and supported by staff are exempt from CEQA Guidelines (Title 14 Cal. Code Reg. § 15000 et seq.).as follows:

CEQA Guidelines Section 15333 provides that projects of five acres or less in size to assure the maintenance, restoration, enhancement or protection of habitat for fish, plants or wildlife are exempt from CEQA as long as (a) there would be no significant adverse impact on protected species or habitat; (b) there are no hazardous materials around the project site that would be disturbed or removed; and, (c) the project would not result in significant impacts in light of past, existing and future projects. The proposed restoration work would qualify for the exemption, and would not have any significant effects on the environment. Standard project conditions, including protection against erosion, would apply, and all work would be subject to the ongoing requirements that apply to the landfill closure process.

Sustainability: Implementation of the recommendations of the Committee which include adding trees and other plantings at Sutter's Landing Park that are native species and managed as wildlife habitat, is consistent with the City's Sustainability Master Plan goal to enhance parks and open spaces and preserve critical habitat resources.

Commission/Committee Action: On February 22, 2012, the Committee approved the draft Report and recommended forwarding it to the Parks and Recreation Commission for review and support and to the City Council for approval. While every effort was made through the Committee process to achieve complete consensus among its members on the recommendations on this very complex project under an expedited timeline, a full consensus among the Committee members on the recommendations contained in the report was not reached.

On March 1, 2012, the Parks and Recreation Commission reviewed the recommendations in the Report. After extensive discussion, the Parks and Recreation Commission supported the recommendations in the Report, with the following amendments:

1) Enhance Recommendation Nos. 6, 7, and 8 (see *Report*, pages 30-31) cannot proceed until a Park Master Plan Amendment is approved that is consistent with these recommendations; and,

2) A Park Master Plan update is completed by the City as soon as possible.

3) Plant no new blue elderberry at the restoration site.

4) Design review by Sacramento-Yolo Mosquito & Vector Control District to prevent creation of standing water situations

The Parks and Recreation Commission vote was 8 ayes, 2 abstentions and 1 no.

Rationale for Recommendation: The attached Report provides recommendations to the City Council from the Committee on how to accomplish the goals established in

Resolution 2011-609 while meeting the City's post-closure requirements for the Landfill and maintaining consistency with the *Sutter's Landing Park Master Plan*.

Financial Considerations: All of the work of the Committee was funded by City Solid Waste Services. City Solid Waste Services is also to fund the repair (mitigation) project being recommended at Sutter's Landing Park (tree replacement and other plantings in the retention basin and the Triangle Area) and implementation of the Prevent recommendations. The City can consider use of Sutter's Landing Billboard Revenues, currently restricted for use on capital improvements at the Park, for recommended enhancement projects. Any other funds for implementation of the enhancement recommendations in the Report remain to be secured.

Emerging Small Business Development (ESBD): No goods or services are being purchased as a result of this report.

28th Street Landfill Tree Removal Mitigation Committee

Sutter's Landing Park

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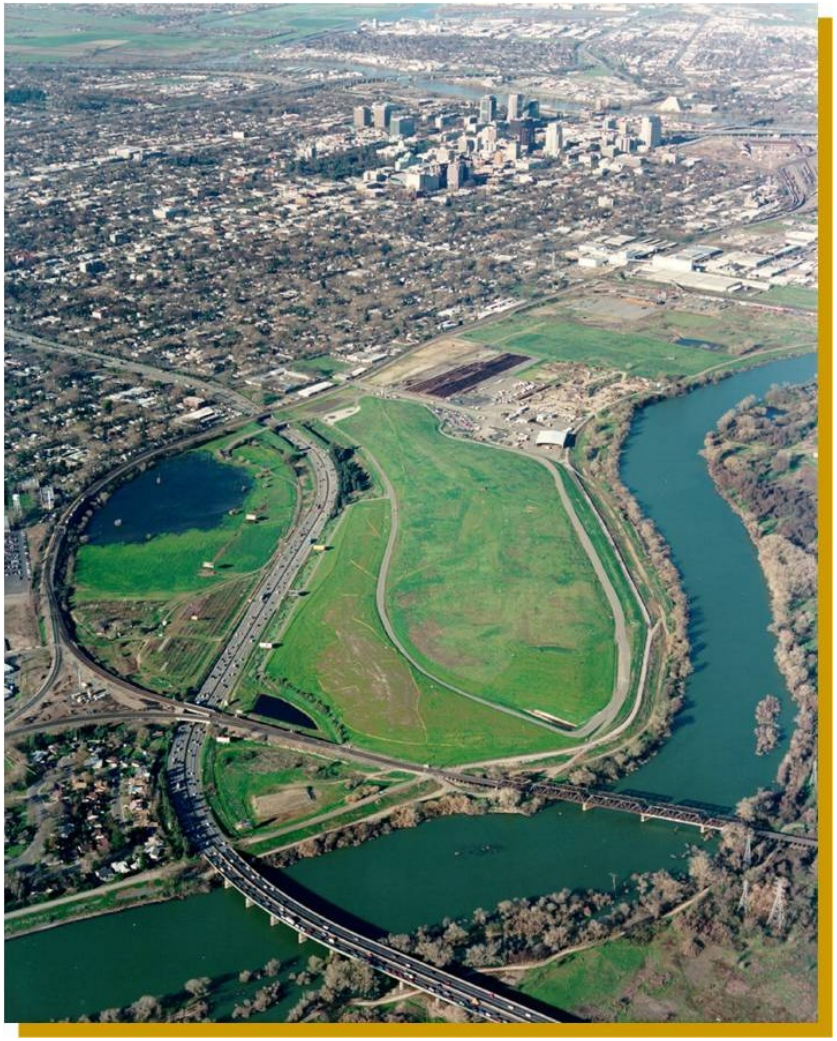

City Council Resolution 2011-609

- Identify Environmental Impacts
- Plan Full Restoration of Habitat Values
- Manage Consistent with Park Master Plan and American River Parkway
- Public Communication and Outreach
- Avoid Similar Situations

Tree Removal

Before

After

Sacramento City General Plan

"The City shall develop the Sacramento River Parkway and Sutter's Landing Park facilities in conjunction with American River Parkway and trail linkages."

CITY'S PARK POLL

"Top priority … was large habitat areas for walking and hiking, where interpretive and educational programs can take place; 71% of community at-large and 68% of registered voters selected … as number one priority."

Wildlife Values

Fully Protected White-Tailed Kite

Threatened Swainson's Hawk

Environmental Education

Impact

Repair

"Full Restoration of Habitat Values"

H. T. HARVEY & ASSOCIATES
ECOLOGICAL CONSULTANTS

Figure 1: Potential Mitigation Sites
Sacramento 28th Street Landfill (3355-01)
January 2012

Enhance

- State Grant Funding
- Partnerships
- Master Plan Update
- Environmental Education
- Native Plants
- Expand Park

Prevent

- Clear Written Policies and Procedures
- Define Routine Maintenance
- Prepare Baseline Report
- Staff Training and Expertise

Outreach & Communication

The End

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RESOLUTION NO. 2012-

Adopted by the Sacramento City Council

APPROVING THE RECOMMENDATIONS OF THE *28TH STREET LANDFILL TREE REMOVAL MITIGATION COMMITTEE* AND DETERMINING EXEMPTION UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

BACKGROUND

A. During the week of September 26, 2011, cottonwood trees and other vegetation were removed from a storm water detention basin located at the City's closed 28th Street landfill facility, in Sutter's Landing Park, to address the public health and safety concerns created by an illegal encampment in the basin where methane gas equipment is present.

B. On November 8, 2011, City Council adopted Resolution 2011-609 directing staff to form a mitigation committee to develop a plan that accomplishes the following goals: 1) identification of the environmental impacts of the cottonwood tree removal including possible loss of habitat value and development of an implementation plan; 2) identification and evaluation of strategies to manage the closed landfill in ways that are compatible with potential future land uses at Sutter's Landing Park; and 3) providing an effective public communication and outreach strategies. Resolution 2011-609 also directed staff to report back to City Council with recommendations.

C. Pursuant to Council Resolution 2011-609, staff formed the 28th Street Landfill Tree Removal Mitigation Committee comprised of community members from a variety of stakeholder groups that met regularly from November 2011 through February 2012.

D. The attached *28th Street Landfill Tree Removal Mitigation Committee Report to City Council* provides recommendations to the City Council from the Committee on how to accomplish the goals established in Resolution 2011-609 while meeting the City's post-closure requirements for the Landfill and maintaining consistency with the *Sutter's Landing Park Master Plan*.

E. The Environmental Services Manager has reviewed the 28th Street Landfill restoration project for compliance with the requirements of the California Environmental Quality Act (CEQA) and determined that the restoration activities that are recommended in the Committee report and supported by staff are exempt from CEQA Guidelines (Title 14 Cal. Code Reg. § 15000 et seq.) as follows: CEQA Guidelines Section 15333 provides that projects of five acres or less in size to assure the maintenance, restoration, enhancement or protection of habitat for fish, plants or wildlife are exempt from CEQA as

long as (a) there would be no significant adverse impact on protected species or habitat; (b) there are no hazardous materials around the project site that would be disturbed or removed; and, (c) the project would not result in significant impacts in light of past, existing and future projects. The proposed restoration work would qualify for the exemption, and would not have any significant effects on the environment. Standard project conditions, including protection against erosion, would apply, and all work would be subject to the ongoing requirements that apply to the landfill closure process.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

Section 1. The *28th Street Landfill Tree Removal Mitigation Committee Report to City Council,* attached as Exhibit A*,* is approved with the following changes: a) Enhance Recommendation Nos. 6, 7 and 8 (on page 27) cannot proceed until a Park Master Plan is updated and approved; b) Plant no new elderberry on the restoration site; and c) Design Review by Sacramento-Yolo Mosquito & Vector Control District to prevent creation of standing water situations.

Section 2. The 28th Street Landfill restoration project is exempt from review under CEQA pursuant to Section 15333 of the CEQA Guidelines.

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Exhibit A--28th Street Landfill Tree Removal Mitigation Committee Sutter's Landing Park Report to City Council

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28TH STREET LANDFILL TREE REMOVAL MITIGATION COMMITTEE

Sutter's Landing Park

March 13, 2012

Report to the Sacramento City Council

City of Sacramento, date not available

City Staff Contacts

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Steve Harriman, Integrated Waste General Manager, Department of General Services 916.808.4949, sharriman@cityofsacramento.org

www.cityofsacramento.org/parksandrecreation/28th-st-sltrmc.htm

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EXECUTIVE SUMMARY

This report provides the recommendations of the 28th Street Landfill Tree Removal Mitigation Committee that was established pursuant to Sacramento City Council Resolution # 2011-609 to advise the City Council following the removal of approximately 100-200 trees from the former landfill which is now part of Sutter's Landing Park. The recommendations were unanimously adopted by the Committee and are supported by City staff.

Resolution 2011-609 directed staff to form the Committee to: (1) identify the environmental impacts of the tree removal; (2) develop a plan for full restoration of the lost habitat values; (3) identify strategies to manage the closed landfill in ways that are compatible with the habitat values and potential uses at Sutter's Landing Park and the American River Parkway; and (4) provide effective public communication and outreach strategies. The resolution also directed staff to establish policies to prevent similar situations from occurring in the future.

BACKGROUND

The City Council designated the former 28th Street Landfill as Sutter's Landing Park in 1995. The property is managed for park and recreation purposes by the Department of Parks and Recreation, while the landfill postclosure operations are managed by the Solid Waste Division, which is now part of the Department of General Services. The 172-acre property sits next to the American River Parkway immediately west of Interstate 80 (Business Loop).

As part of the landfill post-closure activities, the Solid Waste Division established a one-acre retention basin to capture runoff from the adjacent 111-acre "mound" that constitutes the majority of the former landfill property. Over the past thirteen years, approximately 100-200 trees grew on the site and may have provided habitat for raptors and other wildlife. In recent years, the retention basin was also used for illegal camping activities.

Sacramento County's Local Enforcement Agency (LEA), which inspects closed landfills within the county, asked the City to repair fences and increase security to prevent potential safety and public health problems resulting from the illegal camping activities. The LEA did not request removal of any trees. Concerned about the illegal camping situation, Solid Waste Division staff removed all of the trees, other vegetation, and the illegal camping site during the week of September 26, 2011. City environmental review procedures were not followed, and supervisors and other departments were only provided with vague descriptions of the project before the trees were removed. The City Council and the public first learned about the action from a local television news report.

The City's 2030 General Plan recognizes the important connection between Sutter's Landing Park and the American River Parkway. This is especially important since the American River Parkway receives more visitor days per year than Yosemite National Park.

IMPACT

The retention basin is located within Sutter's Landing Park and the American River riparian zone, and likely served as important wildlife habitat within the City of Sacramento. The basin is located in one of the richest areas for raptors along the American River Parkway, especially for the Swainson's hawk, which is a threatened species protected by the California Endangered Species Act, and other wildlife including the fully-protected White-tailed kite and the threatened Peregrine falcon. The retention basin included about 80-90% of the trees within Sutter's Landing Park. Young cottonwood trees provide an especially important resource for wildlife along the American River. Because of the postclosure landfill requirements, there are few sites in the park where trees can be planted.

The clearing project removed all of the trees and nearly all of the vegetation that was growing in and along the retention basin. The result was a near complete loss of the site's wildlife habitat values

REPAIR

To replace the lost habitat values, the Committee recommends : (1) restoring the City-owned portion of the "Triangle" area that sits immediately east of the retention basin and the Union Pacific Railroad property by planting native oak trees and other vegetation to recover the majority of lost habitat values; (2) planting twelve Fremont cottonwood trees within the retention basin and three oak trees next to the retention basin to provide habitat values next to the mound; and (3) maintaining and monitoring the sites consistent with sound habitat restoration practices. The Solid Waste Division indicates it can absorb the estimated $217,000 cost of the project over seven years from existing resources.

ENHANCE

The Committee identified more than fourteen different state and federal funding sources that have the potential to provide the City with millions of dollars to enhance the Park's resources and its ability to serve as a gateway to the American River Parkway. The Committee encourages the City to establish partnerships with nonprofit groups and take additional actions to secure grant funding to advance park enhancement projects. The Committee further recommends that the City update the Sutter's Landing Park Master Plan, plant native trees and bushes to enhance habitat and recreation values, expand education programs, and increase interpretive signage.

PREVENT

The Committee recommends the adoption of clearer policies and procedures that define routine maintenance activities and require additional review when Solid Waste Division staff proposes actions that go beyond routine maintenance. Staff and Committee members concur that the recommended procedures may have prevented the tree removal activities from moving forward had they been in place last fall. The Committee also recommends additional training for staff and the retention of sufficient expertise to review proposed projects ahead of implementation.

PUBLIC COMMUNICATION AND OUTREACH

The Committee recommends that the Departments of Parks and Recreation, General Services, and Community Development work together to implement public outreach and communication actions when park or landfill closure activities could adversely impact the environment, and maintain a list of stakeholders, community groups, and interested members of the public to contact. The Committee also recommends the establishment of a stakeholder group for Sutter's Landing Park and a role for the Parks and Recreation Commission.

CONCLUSION

The Committee recommendations provide a pathway for the City to continue to meet its landfill postclosure requirements, while also protecting and enhancing Sutter's Landing Park's natural, recreational and educational values for current and future generations.

INTRODUCTION

On November 8, 2011, the Sacramento City Council adopted Resolution Number 2011-609 directing staff to:

- Form a mitigation committee comprised of community representatives to develop a plan that accomplishes the following goals:

    1. "Identification of the environmental impacts of the cottonwood tree removal (at Sutter's Landing Park) including possible loss of habitat value."

    2. "Development of an implementation plan for full restoration of habitat values lost as a result of the project."

    3. "Identification and evaluation of strategies to manage the closed landfill in ways that are compatible with the habitat values and potential uses at Sutter's Landing Park and the American River Parkway."

    4. "Providing effective public communication and outreach strategies."

- "Establish policies to avoid a similar situation from occurring again."

- "Report back to City Council with recommendations…"

(See Appendices A: Sacramento City Council Resolution 2011-609, and B: Staff Report to City Council of November 8, 2011.)

The Resolution was adopted following City Council discussion and public comment regarding the removal of approximately one acre of cottonwood trees and other vegetation during September 2011 from a storm water retention basin located at the City's closed 28th Street landfill facility which is part of Sutter's Landing Park. The vegetation was removed by City Department of Utilities' staff to address an illegal camping problem that had developed on the site. At the November 8th Council meeting, City Councilmembers and members of the public raised concerns on the lack of prior notice to the City Council and the public about the actions that were taken, and the lack of adequate environmental review.

The Council Resolution, in essence, establishes and seeks recommendations from the Landfill Tree Removal Mitigation Committee and City staff on steps that can be taken to fully restore the habitat values lost as a result of the tree removal, ways to enhance habitat values and uses in the larger Sutter's Landing Park area, and policies and procedures to prevent similar situations from occurring in the future.

This report provides recommendations to the City Council from the 28th Street Landfill Tree Removal Mitigation Committee on how to accomplish the goals established by the City Council in Resolution 2011-609, while also meeting the City's postclosure requirements for the Landfill and maintaining consistency with the *Sutter's Landing Park Master Plan*.

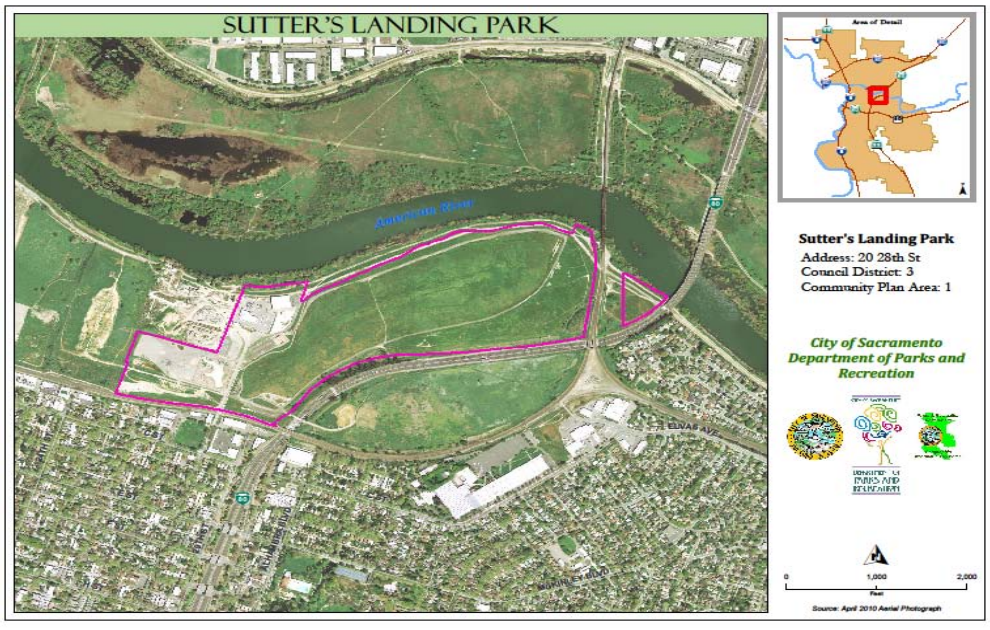
BACKGROUND

Closed Landfill Becomes Park

The City's former 28th Street Landfill was designated as Sutter's Landing Park by the City Council in 1995. The 172-acre site is located about one mile northeast of downtown Sacramento and sits adjacent to the southern edge of the American River Parkway immediately west of Interstate 80 (Business Loop). The property is zoned "Agriculture-Open Space-Parkway Corridor," reflecting the site's location within the American River Parkway Corridor, which is an overlay zone in the Sacramento City Code (Chapter 17.160).

The 28th Street Landfill accepted municipal waste until 1994 and was closed in 1997. The City's General Services Department continues to manage the property to meet various postclosure requirements established under state law (Title 27, Division 2, Chapter 3, Subchapter 5, Article 2 (27 CCR Sections 21090 et seq.) including methane gas collection, gas well monitoring, gas well maintenance, landfill cap maintenance, site security and other requirements. The postclosure period is expected to continue through at least 2027. The City's maintenance activities are inspected quarterly by the County of Sacramento Environmental Management Department serving as the Local Enforcement Agency (LEA) overseeing the landfill closure.

The City anticipated using the former landfill site as a park since at least the adoption of the *1984 Master Plan for Park Facilities and Recreational Services*. The current *Sutter's Landing Park Master Plan* was adopted in 2003 (see Appendix C). The City intends to update this Park Master Plan when resources allow.



Gateway to the American River Parkway

Sutter's Landing Park serves as an increasingly popular "gateway" for Sacramento residents and workers to access the American River Parkway providing opportunities to enjoy the passive and active recreational activities and educational opportunities these resources provide. The American River Parkway receives more than five million user days each year – more than Yosemite National Park.

The City's *2030 General Plan* recognizes the important connection between Sutter's Landing Park and the American River Parkway:

> "The City shall develop the Sacramento River Parkway and Sutter's Landing Park facilities in conjunction with American River Parkway and trail linkages." (CC-ERC1.5, pages 3-CC-11)

Existing maintenance roads provide walkers and bicyclists with a scenic pathway along the river that connect Sutter's Landing Park to Glenn Hall Park and California State University at Sacramento to the east. The City would like to eventually connect the Sutter's Landing area to the City's Two Rivers Trail, providing continuous trail connections along the southern edge of the American River Parkway from the Sacramento River, through Sutter's Landing Park, to CSU Sacramento and beyond.

Because of its location next to the American River Parkway, Sutter's Landing Park can play an important role in addressing the desire of Sacramento residents for increased access to the American River and to natural open space areas.

In 2006, the City commissioned the Strategy Research Institute to survey Sacramento residents about their park priorities. The survey found that:

- "Top priority was large habitat areas for walking and hiking, where interpretive and educational programs can take place: 71% of the community-at-large and 68% of registered voters selected this as their number one priority."
- "Second priority is to be develop parkways and areas along the American Riverbank."
- "… (b)y roughly a 2-to-1 ratio (47:23), Sacramento residents prefer PASSIVE parks over ACTIVE parks. Over one fourth of the respondents want a combination of the two types of park facilities. Even a greater ratio of Opinion Leaders (57%) prefer passive parks."

(*Sutter's Landing Area Master Plan Background Report*, City of Sacramento Planning Department New Growth Division, October 1, 2008, page 10.)

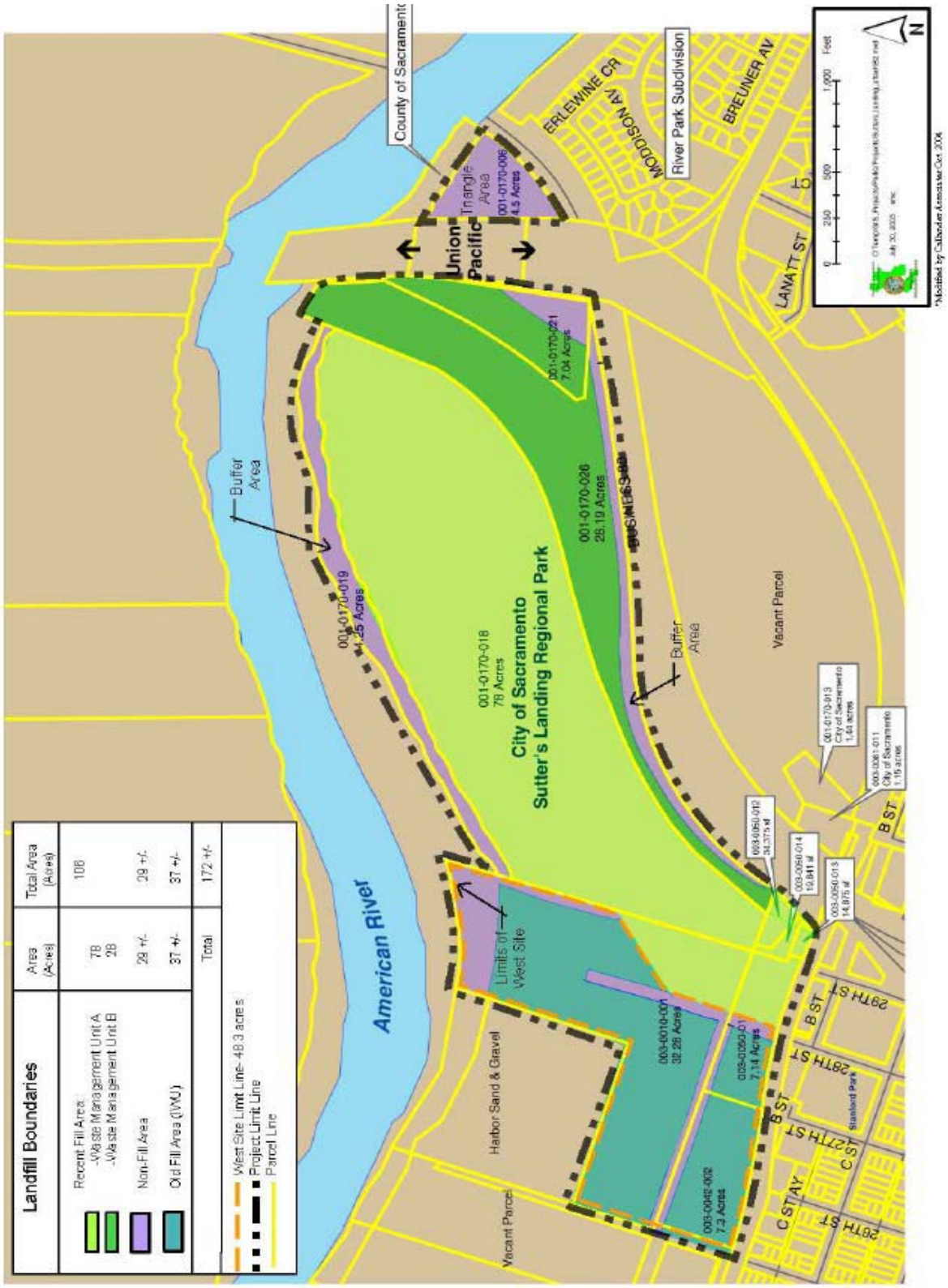
Park Facilities and Uses

Sutter's Landing Park's public uses and facilities are managed by the Department of Parks & Recreation and include a variety of passive and active recreational opportunities, as discussed below.

The 172-acre Sutter's Landing Park includes (see map below):

- 111-acre mound that includes closed Waste Management Units A & B. This site includes above ground landfill gas collection wells and pipes and is closed to public access due to postclosure maintenance. The site currently provides valuable habitat for wildlife including the threatened Swainson's hawk, fully protected White-tailed Kite, and other wildlife species, as described below. This part of the park includes the highest land elevations in the City of Sacramento.

- 4.5-acre "Triangle" area that borders the American River Parkway and sits to the east of the Union Pacific Railroad tracks and the 111-acre mound. The City owns approximately 2.6 acres and Union Pacific Railroad owns the remaining parcels of land within the Triangle. The area supports cottonwood trees, willows, elderberries, non-native plants, and other vegetation.
- 8.5-acre "Buffer Areas" including land adjacent to the American River Parkway and to Interstate 80 (Business Loop). The Buffer Areas include the one-acre retention basin where the cottonwood trees and other vegetation were removed in September 2011.
- 48-acre "West Site" that includes a city maintenance yard and current park facilities including a dog park, the region's only under roof skateboard park, bocce ball courts, basketball courts, paved parking lots, and several asphalt covered acres.


Landfill Boundaries
Recent Fill Area
-Waste Management Unit A
-Waste Management Unit B
Non-Fill Area
Old Fill Area (IWU)
Area (Acres)
Total Area (Acres)
78
28
29 +/-
37 +/-
Total
108
29 +/-
37 +/-
172 +/-
West Site Limit Line- 48.3 acres
Project Limit Line
Parcel Line
American River
Limits of West Site
Harbor Sand & Gravel
Vacant Parcel
Buffer Area
City of Sacramento
Sutter's Landing Regional Park
001-0170-018
78 Acres
001-0170-019
11.25 Acres
001-0170-026
28.19 Acres
001-0170-021
7.04 Acres
Union Pacific
Triangle Area
001-0170-006
4.5 Acres
County of Sacramento
River Park Subdivision
ERLEWINE CR
MODDISON AV
BREUNER AV
LANATT ST
Vacant Parcel
B ST
29TH ST
28TH ST
27TH ST
C ST
C ST AY
Stanford Park
003-0010-001
32.28 Acres
003-0050-01
7.14 Acres
003-0042-002
7.3 Acres
003-0050-012
34.375 sf
003-0050-014
19.841 sf
003-0050-013
14.875 sf
001-0170-013
City of Sacramento
1.44 acres
003-0061-011
City of Sacramento
1.15 acres
Feet
N

The City also identified approximately one hundred acres of additional land in the Sutter's Landing Area Master Plan Study Area that are primarily to the west of the Park (see map below). These properties include:

- 5.4 acres owned by Union Pacific Railroad including the active railroad properties and a portion of open space adjacent to the City's Triangle property (between H from Business 80 to the River)
- 25-acre Dellar Family Trust property which is undeveloped and includes former landfill operations (A)
- 16-acre Harbor Sand and Gravel operation (B)
- 2-acre vacant Cannon Family Trust property (C)
- 2-acre vacant Scollan Family Trust property (D)
- 38-acre vacant California Blue Diamond Growers Exchange property that includes a former co-generation site (E)
- 11-acre Sacramento Municipal Utilities District property including an electrical substation (F)

Since adoption of the Park Master Plan, the City has made land use decisions on the *Railyards Specific Plan*, Township 9 project and *River District Specific Plan* which indicate the Park may provide opportunities found at community parks in addition to acknowledging the Sutter's Landing Area as a unique regional asset.

Habitat and Educational Values at Park

Sutter's Landing Park was described as "one of the richest areas for raptors on the American River Parkway, especially for Swainson's Hawk" according to an assessment commissioned by the City (see Appendix D). In addition to providing habitat for the threatened Swainson's Hawk, the Park also provides habitat for the White-tailed Kite (Fully Protected Bird), Northern Harrier (Species of Special Concern), Peregrine Falcon (Fully Protected Bird), red-tailed and red-shouldered hawks, owls, woodpeckers, meadowlarks, native songbirds, and mammals including coyotes and others. In addition, the adjacent American River Parkway provides habitat for river otters, great blue herons, egrets, salmon, and other wildlife. (See Appendix E for a more complete list of plants and birds that benefit from the habitat at Sutter's Landing Park and the adjacent sections of the American River Parkway.)

Sutter's Landing Park's location next to the American River Parkway increases the importance of the site as habitat for wildlife, providing important opportunities to connect urban residents to nature and children with hands-on science education experiences. Community groups, including Friends of the River Banks, conduct monthly educational programs on the site.
More than 5,700,000 Californians engage in wildlife viewing activities, according to a 2006 study by the U.S. Fish and Wildlife Service. These activities generated more than $3.5 billion in economic

activity in 2006 alone. Sutter's Landing Park provides one of the best locations within the City of Sacramento for wildlife watching activities.

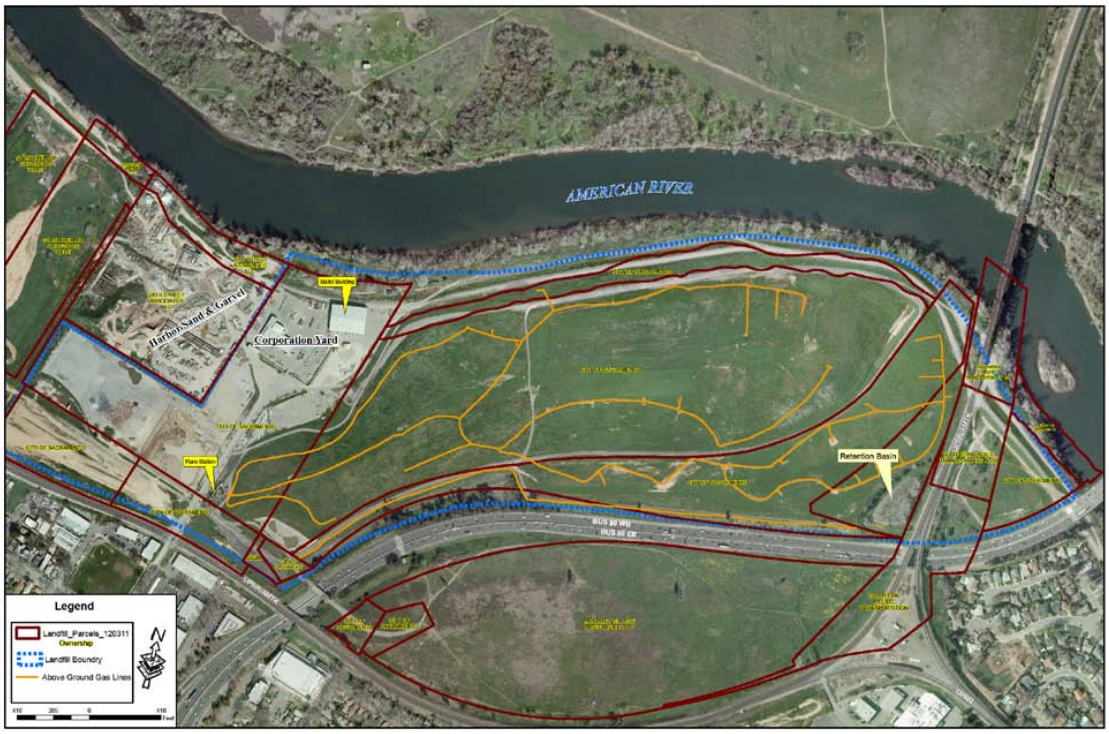
Fully Protected White-Tailed Kite

Threatened Swainson's Hawk

Landfill Retention Basin

As noted above, the City's Department of Utilities established a retention basin in 1997 to collect and hold run-off from portions of Waste Management Units A and B as part of its postclosure program. The retention basin includes an active groundwater monitoring well, active methane migration monitoring equipment, and inactive methane collection equipment that was disconnected in 1997 because it was no longer needed.

Over the past thirteen years, a small stand of approximately 100-200 trees grew in the retention basin. Fremont cottonwood was the dominant species, with some box elder, Oregon ash, interior live oak, valley oak, and black walnut. The site may also have included willow and other plants. Discovery of a small elderberry plant at the previously cleared retention basin site in January 2012 supports the conclusion that the landfill site can provide habitat for blue elderberry plants.



Location of Retention Basin: southeast corner of Park at intersection of Bus. 80 & UPRR

Over the past few years, the site was subject to illegal camping that resulted in significant disturbances including trampled vegetation, litter, waste, campfires, and other undesirable activities. City maintained fences around portions of the retention basin were often compromised by illegal campers to gain access to the site. City staff expressed concerns regarding the safety of illegal campers who unlawfully occupied the site and concerns about potential tampering with postclosure monitoring equipment. Recent LEA quarterly inspection reports called on the City to improve site security, including repairing fences and improving documentation of fence repairs. The inspection reports did not recommend that the City remove vegetation from the retention basin. In subsequent communications with City staff, the LEA indicated that trees and other vegetation may be allowed in the retention basin so long as the various postclosure requirements are met.

Retention Basin Clearing

During the week of September 26, 2011, Department of Utilities' staff cleared the retention basin removing all vegetation and the illegal camping site. The clearing action occurred after the Department staff posted signs at the site to inform illegal campers of the need to vacate prior to the clearing of the site. Prior notice was not provided to the City Council, the City Manager, or to the public, and only vague project descriptions were reportedly provided to other City managers and departments. The City Council and the public first learned about this action from a local television news report.

When the issue was raised at the City Council meeting on October 25, 2011, Councilmembers stated concerns regarding the lack of public notice, asked whether the trees needed to be removed, and questioned whether City policies and other requirements were followed. Councilmembers also indicated the need to take corrective action. Two weeks later, the City Council adopted Resolution 2011-609 calling for the formation of the "mitigation committee," the development of recommendations provided in this report, and the adoption of policies to prevent similar situations from occurring again.

H.T. Harvey & Associates, January 4, 2012

Tree Removal Mitigation Committee

Following adoption of the Resolution, the Department of Utilities and the Department of Parks & Recreation established the "28th Street Landfill Tree Removal Mitigation Committee." The Committee includes representatives from organizations identified in the resolution, as well as public members. The Committee members include:

- Corey Brown, Friends of Sutter's Landing Park (Committee Chair)
- Jeff Harris, City of Sacramento Parks & Recreation Commission
- Rick Rayburn, retired, former Chief of Natural Resources Division, California Department of Parks and Recreation
- David Self, California Native Plant Society
- Robert Sewell, Friends of the Swainson's Hawk
- Dale Steele, Friends of the River Banks
- Betsy Weiland, Save the American River Association
- Jude Lamare, Alternate

The City's work on the project was directed by J.P. Tindell, Park Planning & Development Manager, with primary support from Steve Harriman, Integrated Waste General Manager, Reina Schwartz, Director of General Services; Tom Buford, Environmental Planning, Community Development Department; Joe Benassini, Urban Forest Services Manager, Department of Transportation; Janeth San Pedro, City Attorney's Office; Melissa Mowry, Department of General Services, and Nell Hessel, Department of Parks & Recreation. (Note: Integrated Waste Management, including Solid Waste Services, was transferred from the Department of Utilities to the Department of General Services in December 2011.)

The City contracted with H.T. Harvey & Associates, Ecological Consultants, to provide additional technical expertise to assess the environmental impacts and possible loss of habitat from the retention basin clearing, and to assist the Committee in recommending an implementation plan for full restoration of the lost habitat values and actions to manage the closed landfill in ways that are compatible with the habitat values and potential uses at Sutter's Landing Park and the American River Parkway.

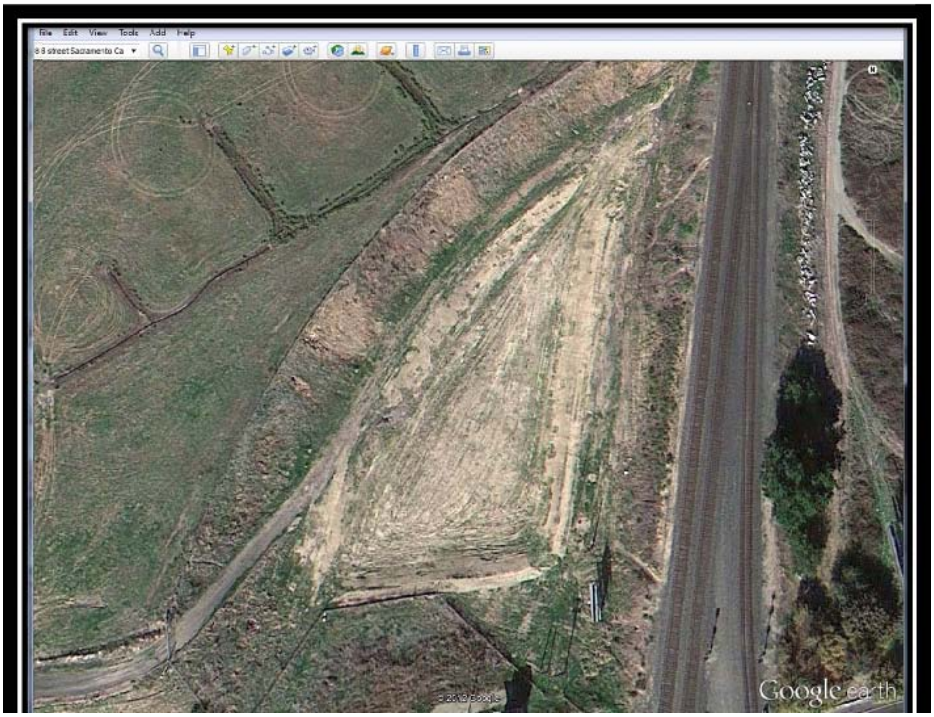
IMPACT

Resolution 2011-609 directed the Committee to identify "the environmental impacts of the cottonwood tree removal including possible loss of habitat value."

The retention basin is located within Sutter's Landing Park and the American River riparian zone, and served as important wildlife habitat within the City of Sacramento. The basin is located in one of the richest areas for raptors along the American River Parkway, especially for the threatened Swainson's Hawk, because of the mature trees, open grasslands, and proximity to the American River, Yolo Bypass and the agricultural fields north of Interstate 80.

Riparian (riverside) habitat supports a wide variety of plant and wildlife species. Because more than 95% of the Central Valley's riparian habitat has been removed, state and federal agencies have invested hundreds of millions of dollars in recent decades to purchase and restore this important type of habitat that is essential for a wide variety of sensitive wildlife species including the threatened Swainson's hawk, the fully-protected white-tailed kite, and many others.

Retention Basin 2011 (before vegetation removal)



Retention Basin 2012 (after vegetation removal)

Prior to the clearing, the retention basin is estimated to have included 100-200 trees, comprising about 80-90% of the trees within the boundaries of Sutter's Landing Park. This area included a variety of trees with Fremont cottonwood being the most dominant. Other trees included box elder, Oregon ash, interior live oak, valley oak, and black walnut. The understory plants were primarily nonnative and most of the ground was trampled, bare or covered with tarps, belongings, and trash as a result of illegal camping activities, reducing the value of the site as habitat for mammals.

The cottonwoods were approximately 13 years old and may have established during the ninth wettest winter on record for Sacramento (1997-1998), according to a review of historical aerial photos. It is unlikely that a forest stand would reestablish on its own on the site due to generally dry conditions.

Young forest stands, such as the one that established on the project site, are of significant value because they provide excellent early successional habitat for a large variety of Central Valley riparian bird species and contribute to the overall connectivity and habitat diversity along the American River Parkway. The cottonwood trees were potential successor habitat to some of the older stands of cottonwoods whose numbers have been diminishing along adjacent sections of the American River Parkway.

The cottonwoods and other vegetation likely hosted a variety of mammals and riparian birds based on the size, age, and height of the vegetation, especially given its close proximity to the existing riparian habitat along the American River and the abundant food sources on the 111-acre mound. This proximity is important as the habitats together provide a larger area for birds to nest and forage for food. The trees probably also provided important wintering and migratory stopover habitat for a variety of riparian bird species.

During a one-day reconnaissance-level survey, City consultants documented the presence of thirty bird species at the park and the adjacent section of the American River Parkway including the fully-protected White-tailed kite, fully-protected peregrine falcon, red-tailed hawk, red-shouldered hawk, killdeer, Anna's hummingbird, western meadowlark, and many others. Nearly all of the species could be expected to have occurred in the cottonwood stand during winter seasons prior to its removal and many of these species are residents. Because the required environmental review was not carried out prior to the project approval, precise information about the cottonwood stand is not available. (See Appendix E for a list of more than 30 bird species and 26 plant species including the threatened Swainson's Hawk, Species of Special Concern Northern harrier, and others that have been observed at Sutter's Landing Park and the adjacent section of the American River Parkway.)

The September 2011 project cleared the retention basin of all of the trees and nearly all of the site's vegetation. In its current cleared state, the retention basin provides little value for wildlife other than killdeer and perhaps a few foraging savannah and white-crowned sparrows. Because of the landfill postclosure requirements and other constraints, few alternative sites exist within Sutter's Landing Park where trees can be planted to replace the wildlife habitat values that were lost when the basin was cleared. (See Appendix D for a more complete discussion of the impacts resulting from the clearing of the retention basin.)

REPAIR

Resolution 2011-609 directed the Committee to develop "an implementation plan for full restoration of habitat values lost as a result of the project."

The clearing of the cottonwoods removed the most important stand of trees within the park that provide habitat for wildlife. Replacing the lost habitat values is challenging because the landfill postclosure requirements leave very few locations available where trees can be planted.

Figure 1: Potential Mit
Sacramento 28th Street L

The retention basin is the best location in the park to grow Fremont cottonwood trees because it provides greater access to the larger amounts of water that these trees need. The retention basin is also proximate to the mound which provides abundant sources of food for raptors and other birds. However, the City's Solid Waste Services has expressed concerns about fully replanting the retention basin with trees which could complicate the management of the basin. In deference to Solid Waste Services' concerns, the Committee recommends replanting only a small number of cottonwood trees in the retention basin providing partial replacement for the lost habitat values.

To compensate for the majority of lost habitat values, the Committee also recommends restoring the City-owned portion of the Triangle area which is located to the immediate east of the retention basin and the Union Pacific Railroad property. The City's Triangle property is currently dominated by non-native invasive plants and provides low habitat values. The Committee did not find other locations within the park that are as suitable for meeting the habitat replacement needs. The Triangle area is designated as a 'Future Natural Area' in the Sutter's Landing Park Master Plan.

The Committee believes the combination of the planting of a limited number of Fremont cottonwoods in the retention basin, combined with restoration of the City's Triangle property, provides an appropriate level of habitat replacement, consistent with the landfill postclosure requirements. While it will take several years for the site to replace the habitat values that were lost when the trees were cleared, the Committee believes it is a reasonable approach given the significant site constraints.

Repair Recommendations

1. Establish a small number of Fremont cottonwood trees in the retention basin, consistent with postclosure requirements, to provide some nesting and perching habitat for raptors and other riparian wildlife species near the mound.

   The planting should be designed to result in the establishment of at least six large cottonwood trees over time within the deeper portion of the retention basin. The plantings should be separated to avoid establishing a larger continuous tree canopy that could make it more difficult to manage the site. The design would allow Solid Waste Services to mow the grasses under and between the trees as part of their regular maintenance activities.

   To help ensure success, the trees should be of local origin and established from cuttings and seeds collected from cottonwood trees growing in similar environments along the lower American River or the Sacramento riparian corridors. Because not all cottonwood trees planted are expected to survive, approximately twelve trees should be planted within the basin to help ensure that six grow to maturity. The plantings should occur between November 2012 and February 2013, following site preparation.

   To increase site security, Solid Waste Services should consider additional fencing to prevent unlawful access and activities on the site. Additional security could be provided through increased coordination of patrols conducted by Solid Waste Services and the Parks and Recreation staff.

2. Restore the City's portion of the Triangle area by planting and seeding native trees, native shrubs and other native plants (vines, forbs, and grasses), following removal of the existing non-native plants and preparation of the site.
   While the Triangle area may not be an effective place to establish cottonwood trees, it can be restored to provide high quality riparian habitat that helps compensate for the lost habitat values. The property's close proximity to the habitat along the American River Parkway makes this an attractive area to restore for both wildlife values as well as the scenic values enjoyed by park users.

   Table 1, Appendix F, includes the recommended list of trees and plants to install in the Triangle area including valley oak, California buckeye, California wild rose, California blackberry, and others. The trees, oak acorns and container plants should be installed between October and

December 2012 when the soils are moist. The trees and plants should also be of local origin and established from cuttings and seeds collected from similar environments along the Lower American River and the Sacramento riparian corridor.

3. Re-establish live oak trees along the western slope of the retention basin, to the extent consistent with postclosure requirements.

   This objective could be achieved by allowing the 2-3 live oak trees re-sprouting in this area to grow to maturity and potentially planting up to five strategically placed live oak trees in this area (windrow appearance should be avoided). In addition to providing some habitat value, these trees would help provide more natural appearing vegetation in the primary view shed as seen from Interstate 80 (Business Loop).

4. The sites should be maintained, including watering, for three years to help ensure the establishment of the trees and plants. Monitoring should occur over a seven year period, with potential cost savings by using volunteers to assist with the monitoring program. Vegetation should be re-planted to replace plants that do not survive during the monitoring period. Where appropriate, the planting should be protected with fences, cages, and other techniques to help protect them from animals and vandals until they are established. Signs could also help inform park users and City staff about the need to protect the restoration site, as well as provide opportunities to educate visitors about the habitat and the restoration project.

5. The City should retain qualified riparian restoration experts to prepare the specific restoration design and construction documents and a contractor with expertise and experience in riparian restoration to implement the program. Alternatively, the City might be able to reduce costs by contracting with an organization with extensive experience in riparian habitat restoration to design, construct, and maintain the restoration project.

   Appendix F includes a more specific description of the recommended restoration actions. Appendix G includes a recommended schedule for implementing the restoration actions.

ENHANCE

Resolution 2011-609 directed the Committee to identify and evaluate strategies to manage the closed landfill in ways that are compatible with the habitat values of and potential uses at Sutter's Landing Park and the American River Parkway.

As indicated above, the City's *2030 General Plan* recognizes the important connection between Sutter's Landing Park and the American River Parkway. The *General Plan* also provides for the protection and restoration and improvement of the City's wildlife resources and riverfronts:

- "…Sacramento's riverfronts and natural open space areas will be linked to enhance opportunities for walking, bicycling, picnicking, participating in water sports, and appreciating natural open spaces and conservation areas." (ERC2, page 2-251)
- "The City shall promote the preservation and restoration of contiguous areas of natural habitat throughout the city and support their integration with existing and future regional preserves." (CC.ERC 1.5, page 3-CC-11)
- "The City shall retain plant and wildlife habitat areas where there are known sensitive resources (e.g. sensitive habitats, special status, threatened, endangered, candidate species, and species of concern). Particular attention shall be focused on retaining habitat areas that are contiguous with other existing natural areas and/or wildlife movement corridors." (ER2.1.4, page 2-307)

Through proper planning and implementation, the City can provide important leadership to further enhance Sutter's Landing's wildlife, recreational, and educational values, and facilitate even greater enjoyment of the resource by Sacramento's growing population.

There are important examples throughout America where communities have established and enhanced wildlife resources and improved park facilities on closed landfills. Examples include:

- Millennium Park, Boston, Massachusetts
- Cesar Chavez Park, Berkeley, California
- Smith and Bybee Wetlands Natural Area, Portland, Oregon
- Whilamut Natural Area, Eugene, Oregon
- Tifft Nature Preserve, Buffalo, New York

Furthermore, state regulations specifically provide that landfill postclosure sites may be developed "as open space, graded to harmonize with the setting and landscaping with native shrubbery or low maintenance ground cover" (see Appendix H: 27 CCR 21190). The California Department of Resource Recycling and Recovery, which regulates landfill postclosure activities, maintains the informative *Guide to Revegetation and Environmental Restoration of Closed Landfills* to show local agencies ways to meet postclosure requirements, while converting former landfill sites into valuable habitat areas and other open space uses (www.calrecycle.ca.gov/SWFacilities/Closure/revegetate/Part1.htm).

Fortunately, the City (Solid Waste Services) has managed the majority of the postclosure area in ways that enable the site to provide significant habitat values for a wide range of wildlife species. The Committee commends the City for these practices and recommends additional actions to further enhance the wildlife, recreational and educational values at Sutter's Landing Park.

The Committee recognizes that current budget pressures limit the financial contributions the City can make to support significant enhancement activities at this time. However, the Committee believes there are several opportunities for the City to raise significant funding from state, federal, regional and private programs and from other sources for park enhancement activities to supplement City investments. See Appendix I for a more complete discussion of funding opportunities for enhancement activities. For example, the State has provided more than $750 million for river parkway and restoration projects over the past sixteen years.

Enhance Recommendations

1. Secure grant funding from state, regional, federal and private programs to support enhancement activities.
2. Establish partnerships with nonprofit organizations, academic institutions, and other entities to assist the City in identifying and securing grant funding for enhancement activities, recruiting volunteers, expanding education programs, and implementing enhancement recommendations.
3. Update the *Sutter's Landing Park Master Plan*, recognizing the important habitat, recreational, and educational interconnections between the Park and the American River Parkway, and opportunities to enhance the important habitat values and public uses at Sutter's Landing Park.
4. Prepare a baseline report with maps to document and explain the current habitat values at Sutter's Landing Park and the adjacent portions of the American River Parkway.
5. Continue working with the County of Sacramento to protect and enhance the riparian and other wildlife values along sections of the American River Parkway adjacent to Sutter's Landing Park.
6. Plant native shrubs, grasses, and wildflowers (native forbs) at appropriate locations along the base of the 111-acre mound to increase habitat and wildlife diversity, consistent with postclosure requirements and the Park Master Plan in effect.
7. Identify additional sites appropriate for planting cottonwoods, other native trees, and native understory vegetation to increase shade and enhance habitat for raptors and other wildlife species, consistent with postclosure requirements and the Park Master Plan in effect. (See Appendix F for a recommended palette of native trees, grasses and shrubs.)

8. Authorize limited pilot projects, including projects with academic institutions, to test the feasibility of establishing native grasses and wildflowers (native forbs) on the mound and in the retention basin, and evaluate whether the native plants increase habitat values and reduce long-term maintenance costs (e.g. reduced mowing requirements, reduced fire risk, others).

9. Evaluate and establish grass mowing schedules and methods to enhance habitat values and reduce losses of postclosure-compatible wildlife species. Consider placing signs identifying sensitive habitat areas to assist staff and the public in avoiding damage to these resources.

10. The Parks & Recreation Department should increase interpretive signage and expand the Sutter's Landing Park web pages to include additional interpretive information about the natural and cultural resources at Sutter's Landing Park and the American River Parkway. Interpretive signs could be added along the trails near the base of the mound and along the park's border with the American River Parkway. An interpretive sign could also be added to the Triangle Area facing Interstate 80 (Business Loop) welcoming the public to the City of Sacramento and Sutter's Landing Park, using wildlife images.

11. The Parks & Recreation Department should continue to support educational programs to provide children and other residents with opportunities to learn science and gain greater understanding of the natural and cultural resources at Sutter's Landing Park and the American River Parkway. The General Services Department should consider permitting the Parks & Recreation Department to conduct periodic docent-led interpretive walks to view wildlife resources and scenic views from the mound.

12. Consider long term plans to acquire, restore, and improve lands between existing Sutter's Landing Park west to the Sacramento Northern Parkway (20th Street) bicycle trail and non-City owned lands in the Triangle area when those lands may become available.

13. Improve trails in the Sutter's Landing area to provide safer access to the American River while reducing erosion and displacement of vegetation, improve pedestrian and bicycle trails west of the Union Pacific Railroad tracks, and plan future trail connections between Sutter's Landing Park and the Two Rivers Trail.

14. Continue dedicating billboard revenues to improving Sutter's Landing Park.

PREVENT

Resolution 2011-609 "directed staff to establish policies to avoid a similar situation from occurring again."

Prevention is often the most cost effective way to avoid the expense of repairing damage after it occurs, as well as to help ensure City policies and state and federal requirements are followed.

Clearer written procedures will help the City meet the twin goals of complying with the landfill postclosure requirements and protecting Sutter's Landing Park's natural and recreational resources. Appropriate maintenance of landfill postclosure facilities is important to protect public health and safety, as well as the environment. The postclosure activities should be conducted in a manner that is sensitive to and avoids unnecessary degradation of the Park's natural, recreational and educational resources.

The Committee notes that several aspects of the situation appear to have been contributors to the tree removal. The underlying objectives of removing the illegal camping site and responding to the LEA (although the LEA never requested the removal of the trees or underlying vegetation) were factors that supported action to improve site security. However, there was time for outreach to the City Council, interested organizations, and the public, as well as required environmental review. The process should have included the opportunity to identify the value of the trees as habitat in advance, identify less damaging project alternatives, and consider other factors as part of the equation. The presence of clear written procedures would not have been overly burdensome to staff, and should, if they were present, have prevented this occurrence.

Prevent Recommendations

1. Establish clearer written policies and procedures for staff to follow to help managers ensure that City policy and state and federal environmental laws are followed and that park resources are not avoidably degraded.

   The City should develop written procedures to implement the flow chart developed by staff (see Figure below) to ensure that adequate notice is provided to the City Council, other City departments including Parks & Recreation and Community Development, and where applicable, the public, before actions are approved that go beyond routine postclosure maintenance (see Figure below). The procedures should apply to: (1) proposed removal of any trees or other alterations to a restoration or enhancement area; (2) removal of any of the few remaining trees in other sections of the postclosure area; and, (3) other actions that could result in degradation of the Park's habitat, recreational, or educational values, or have the potential to cause other significant adverse environmental impacts. The procedures should be designed to ensure compliance with the *2030 General Plan*, *Sutter's Landing Park Master Plan*, *American River Parkway Plan*, *California Environmental Quality Act*, *California Endangered Species Act*, *Federal Endangered Species Act*, *Federal Clean Water Act*, *Migratory Bird Treaty Act*, fully protected animal laws and other requirements.

The procedures would not apply to routine postclosure maintenance activities as provided in Appendix J. The procedures should also include the use of checklists or other tools to help ensure that the appropriate steps were taken and reviews provided before non-routine maintenance activities are approved.

These procedures will provide City staff with clearer guidance on the steps that must be taken to ensure adequate disclosure and review before non-routine activities are approved. Had these procedures been in place last September, it is unlikely that Solid Waste Services staff would have cleared all of the vegetation from the retention basin.

2. Prepare written procedures and guidelines that clearly delineate routine maintenance activities, as proposed in Appendix H.

   Activities consistent with the adopted routine maintenance procedures and guidelines would generally be exempt from the procedures discussed in 1. above. However, some activities considered to be routine may require additional review and possible modifications to avoid significant environmental impacts.

The routine maintenance procedures and guidelines should comply with various requirements, consider ways to protect natural resources related to the Park and the American River Parkway, and avoid potential and unnecessary degradation of recreational, wildlife, or educational values.

3. Prepare a baseline report with maps to document and explain the current habitat values at Sutter's Landing Park and the adjacent portions of the American River Parkway, and identify sensitive wildlife and habitat resources. (Also see Enhancement Recommendation 4.).

   The baseline report and maps will help staff identify, locate, and avoid unnecessary degradation of the park's sensitive natural resources. The report should involve cross-department coordination with in-house expertise, as well as participation by external technical experts and community groups.

4. Provide training for City staff.

   The City should provide additional training for staff implementing and overseeing landfill maintenance activities regarding: City policies and procedures applicable to the site; state and federal safety and environmental requirements; and ways to avoid harm to the habitat, wildlife, recreational, and educational resources at the park and the adjacent sections of the American River Parkway. An important goal of staff training is to raise awareness on the effects of landfill maintenance on habitat and wildlife.

5. Secure adequate expertise to evaluate proposed actions that could adversely impact natural, educational, and recreational resources before actions are approved.

   Access to qualified technical experts can help the City identify and avoid activities that unnecessarily damage the Park's natural and recreational resources. Due to budget limitations, the City currently does not have in-house expertise needed in ecology and other relevant disciplines.

   The City should retain either staff or consultants to provide needed expertise to Solid Waste Services, the Department of Parks & Recreation, and Community Development Department to assist them in reviewing proposed actions that could adversely impact natural, recreational, or educational resources in the park or the adjacent American River Parkway.

PUBLIC COMMUNICATION AND OUTREACH

Resolution No. 2011-609 directed staff to form a mitigation committee to develop a plan that includes "providing effective public communication and outreach strategies."

Public Communication and Outreach Recommendations

1. The Departments of Parks & Recreation, General Services and Community Development should continue to work jointly in implementing public outreach and communication when any anticipated action at the Park or Landfill requires CEQA compliance or significantly impacts Park activities. The Department of Parks & Recreation should maintain a list of stakeholders, community groups, and interested members of the public to contact as part of the public outreach and communication activities.
2. The citizens concerned with Sutter's Landing Park should form a stakeholder group to present to the Parks & Recreation Commission at least once annually a discussion about Park concerns and ideas. This should be an agendized item so that all stakeholder members have a forum to discuss any concerns regarding the Park. The Commission can then make recommendations to City Council as to compliance with the recommendations of the Tree Removal Mitigation Committee approved by City Council. This stakeholder group should also be encouraged to support and assist the Departments in implementation of the recommendations in this report, and in public communication and outreach by the Departments on Sutter's Landing Park issues and planning.

   (Note: Issues or questions that any stakeholders may have on Sutter's Landing Park can be directed to either the Department of Parks & Recreation staff and/or the Parks & Recreation Commission: www.cityofsacramento.org/parksandrecreation/prc/.)

IMPLEMENTATION

Implementation of the recommendations approved herein will be the responsibility of the Parks & Recreation and General Services Departments as co-leads. A City staff team will be assembled to develop a work program by no later than April 30, 2012. This initial proposed work program will be provided to the Committee and the Parks & Recreation Commission for its review and comment prior to finalization, and will be subsequently provided as information to the City Council.

Implementation of the Tree Removal Repair (Mitigation) program will take an estimated 12 months, starting in Summer 2012 through 2013, with appropriate maintenance and monitoring activities to continue thereafter. The timeframe for any Enhancement activities will be subject to securing new funding. Implementation timeframes will also be affected by design and construction schedules, volunteer support and seasonal considerations, among other factors. City staff will also partner with organizations including the County of Sacramento, Sacramento Tree Foundation, American River Parkway Foundation and Sacramento Regional Conservation Corps in project execution.

The Department of Parks & Recreation will post the implementation schedule on the Sutter's Landing Park website and provide periodic updates showing the progress in implementing the recommendations included in this report. The Department will also provide periodic updates to the City Council, the Parks & Recreation Commission, and members of the stakeholders group identified in the **PUBLIC COMMUNICATION AND OUTREACH** section of this report.

CONCLUSION

Sutter's Landing Park provides an important "gateway" to the American River Parkway for Sacramento area residents, as well as a variety of passive and active recreational opportunities. Additionally, the park provides important habitat for numerous wildlife species and provides opportunities to connect children and other residents with nature and outdoor educational experiences.

The removal of 28th Street Landfill retention basin trees has refocused attention on the important natural and recreational resources that are present at Sutter's Landing Park today, as well as the opportunity to significantly enhance those resources over time for the enjoyment of Sacramento's growing population.

The recommendations included in this report provide a pathway for the City to continue meeting its landfill postclosure requirements, while also protecting and enhancing the Park's natural, recreational, and education values for current and future generations.

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Randy Smith, June 2007

Appendix A. Sacramento City Council Resolution 2011-609

RESOLUTION NO. 2011-609

Adopted by the Sacramento City Council

November 8, 2011

28TH STREET LANDFILL TREE REMOVAL MITIGATION COMMITTEE

BACKGROUND

A. During the week of September 26, 2011, cottonwood trees were removed from a storm water detention basin located at the City's closed 28th Street landfill facility to address the significant public health and safety concerns created by a large homeless camp in the basin where methane gas is present.

B. The Department of Utilities is committed to investigating, developing, and implementing a plan to mitigate the environmental impacts, including full restoration of habitat values lost resulting from the cottonwood tree removal project.

C. The most efficient and effective process to develop a plan is to convene a committee of community stakeholders and report back to the City Council within 90 days with recommendations.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVED AS FOLLOWS:

Section 1. Staff is directed to form a mitigation committee comprised of community stakeholders including, but not limited to, Friends of Sutter's Landing Park, Friends of Swainson's Hawk, Save the American River Association, the Native Plant Society, and City staff to develop a plan that accomplishes the following goals: 1) identification of the environmental impacts of the cottonwood tree removal including possible loss of habitat value and development of an implementation plan for full restoration of habitat values lost as a result of the project; 2) identification and evaluation of strategies to manage the closed landfill in ways that are compatible with the habitat values of and potential uses at Sutter's Landing Park and the American River Parkway; and 3) providing effective public communication and outreach strategies.

Section 2. Staff is directed to establish policies to avoid a similar situation from occurring again.

Section 3. Staff is directed to report back to City Council with recommendations within 90 days.

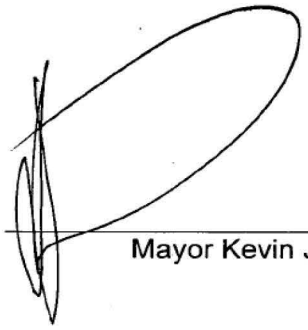
Adopted by the City of Sacramento City Council on November 8, 2011 by the following vote:

Ayes: Councilmembers Ashby, Cohn, D Fong, R Fong, McCarty, Pannell, Schenirer, Sheedy, and Mayor Johnson.

Noes: None.

Abstain: None.

Absent: None.



Mayor Kevin Johnson

Attest:

Shirley Concolino

Shirley Concolino, City Clerk

Appendix B. "Landfill Tree Mitigation" Staff Report to City Council

City of Sacramento
City Council
915 I Street, Sacramento, CA, 95814
www.CityofSacramento.org

5

Meeting Date: **11/8/2011** **Report Type:** Staff/Discussion

Title: Landfill Tree Mitigation

Report ID: 2011-00961

Location: District 3

Recommendation: Adopt a Resolution directing staff to form a mitigation committee to develop a plan that accomplishes the following goals: 1) identification of the environmental impacts of the cottonwood tree removal including possible loss of habitat value and development of an implementation plan; 2) identification and evaluation of strategies to manage the closed landfill in ways that are compatible with potential future land uses at Sutter's Landing Park; and 3) providing an effective public communication and outreach strategies.

Contact: Dave Brent, Interim Director, 808-1420; Dave Brent, Interim Director, (916) 808-1420; Steve Harriman, Integrated Waste General Manager, (916) 808-4949, Department of Utilities

Presenter: Dave Brent, Interim Director, (916) 808-1420; Steve Harriman, Integrated Waste General Manager, (916) 808-4949, Department of Utilities

Department: Department Of Utilities
Division: Solid Waste Administrative Service
Dept ID: 14001711

Attachments:

1-Description/Analysis
2-Resolution.

City Attorney Review
Approved as to Form
Janeth D. San Pedro
11/2/2011 4:15:49 PM

Approvals/Acknowledgements

Department Director or Designee: Dave Brent - 11/2/2011 2:40:01 PM

Eileen Teichert, City Attorney Shirley Concolino, City Clerk Russell Fehr, City Treasurer
John F. Shirey, City Manager

1 of 5

Description/Analysis

Issue: During the week of September 26, 2011, approximately 50 cottonwood trees were removed from a one acre storm water detention basin at the 28th street landfill facility by the Department of Utilities (DOU), Solid Waste Division. The triangular detention basin is bordered by Interstate 80 on the south, a railroad levee on the east, and the closed City landfill on the west. The basin is not suitable for public access given the presence of methane gas equipment and groundwater monitoring wells related to the closed landfill facility, and fences have been constructed to maintain site security.

On October 25, 2011, the City Council heard public comment objecting to the tree removal, and the Council directed staff to report on the following four issues:

1. *Investigate how and why the trees were removed and make sure there are policies in place to avoid a similar situation from occurring again.*

Over the past several years, the fences surrounding the landfill have been repeatedly damaged allowing a large homeless camp to be established in the area. The basin was attractive as a homeless camp because of the shade and obscurity provided by the cottonwood trees. Several times, the County of Sacramento Environmental Management Department commented on the significant public health and safety concerns posed by the homeless camp in the area as part of its regulation of the City's post-closure management of the landfill facility. Specifically, Section 21190 of Title 27 of the Public Resources Code requires the City to: 1) protect public health and safety and prevent damage to structures, roads, utilities and gas monitoring and control systems; 2) prevent public contact with waste, landfill gas and leachate; and 3) prevent landfill gas explosions. The homeless camp presented a significant threat to these requirements due to people living in proximity to the closed landfill, repeated tampering with the landfill gas and groundwater equipment in the basin, open fires, propane tanks, etc. The homeless camp also created a dangerous situation for City employees responsible for maintaining the methane gas and groundwater equipment in the basin due to the continuous presence of aggressive dogs and people, human waste, and significant quantities of debris. The trees were removed in a misguided effort to protect and promote public health and safety by discouraging homeless campers from setting up living quarters adjacent to the methane gas equipment.

The City applies and follows the heritage tree process specified in City Code chapter 12.64 for removal of such trees on City property. In this case, however, DOU staff failed to consult with the Urban Forestry Services Division to determine if the cottonwood trees would be considered heritage trees. A cottonwood tree, as a species, is not identified per se as a heritage tree under the City's ordinance, but could qualify as one if the tree has a trunk circumference of 100 inches or more, is of good quality in terms of health, vigor of growth and conformity to generally accepted horticultural standards of shape and location for its species. Additionally, DOU staff mistakenly believed that the tree removal was exempt from the California Environmental Quality Act (CEQA). Upon further review, CEQA review should have been completed prior to the tree removal. To prevent a similar

situation from occurring again, the City will ensure that DOU staff understands and follows CEQA requirements by establishing a management level contact within the Community Development Department for review and consultation on all landfill projects.

2. *Direct the Department of Utilities to prepare, fund, and implement a plan to replace the habitat that was removed from the storm water detention basin.*

   As the process above was not followed, no determination has been made to identify the environmental impact of the tree removal. The Department of Utilities, however, is committed to investigating what was in place in the area to determine the environmental impacts of the cottonwood tree removal including the possible loss of habitat, and taking appropriate corrective action including full restoration of any lost habitat resulting from the tree removal. To that extent, DOU will form a mitigation committee to investigate and prepare an implementation plan for consideration and adoption by the City Council within 180 days. The committee may include, but is not limited to, representatives from Friends of Sutter Landing, Friends of the Swainsons Hawk, the Native Plant Society, Save the American River Association, and City staff. The committee will be charged with identifying the environmental impacts of the cottonwood tree removal including possible loss of habitat value; creating an implementation plan including full replacement of any habitat loss; developing a cost estimate and funding source for the implementation plan; and oversight of plan implementation after Council adoption.

3. *Identify management strategies that promote compatibility between the post-closure requirements of the closed landfill facility and potential future land uses at Sutter's Landing Park.*

   The proposed mitigation committee would also be tasked with identifying and evaluating management strategies which would be included in the report to the City Council within 180 days.

4. *Meet with the public to inform them of actions being planned.*

   The mitigation committee meetings will be open to the public. In addition, public information and outreach strategies in the report to the City Council within 180 days.

Policy Considerations: The mitigation committee will be charged with the development of an action plan that is consistent with City policy and CEQA.

Environmental Considerations: Formation of a mitigation committee is considered an administrative activity by a governmental agency and therefore not subject to CEQA pursuant to Section 15378 of the CEQA Guidelines. However, the recommendations of the mitigation committee may be subject to CEQA review and will be addressed accordingly.

Sustainability: The Department of Utilities is committed to managing the closed landfill facility in ways that promote sustainability of riparian habitat on the American River Parkway and compatibility with future land uses at Sutter's Landing Park. The proposed mitigation committee will assist with the development and implementation of management principles and strategies to meet these objectives.

Commission/Committee Action: NA.

Rationale for Recommendation: The mitigation committee will include community stakeholders to develop a plan that accomplishes the following goals: 1) identification of the environmental impacts of the cottonwood tree removal including possible loss of value, and development of an implementation plan; 2) identification and evaluation of strategies to manage the closed landfill in ways that are compatible with potential future land uses at Sutter's Landing Park; and 3) providing an effective public communication and outreach strategies.

Financial Considerations: The cost to implement recommendations of the mitigation committee and funding source will be included in the report to the City Council.

Emerging Small Business Development (ESBD): NA

(NOTE: Resolution revised prior to adoption—see Appendix A)

RESOLUTION NO.

Adopted by the Sacramento City Council

28TH STREET LANDFILL TREE REMOVAL MITIGATION COMMITTEE

BACKGROUND

A. During the week of September 26, 2011, cottonwood trees were removed from a storm water detention basin located at the City's closed 28th street landfill facility to address the significant public health and safety concerns created by a large homeless camp in the basin where methane gas equipment is present.

B. The Department of Utilities is committed to investigating, developing, and implementing a plan to mitigate the environmental impacts, including possible loss of habitat value, resulting from the cottonwood tree removal.

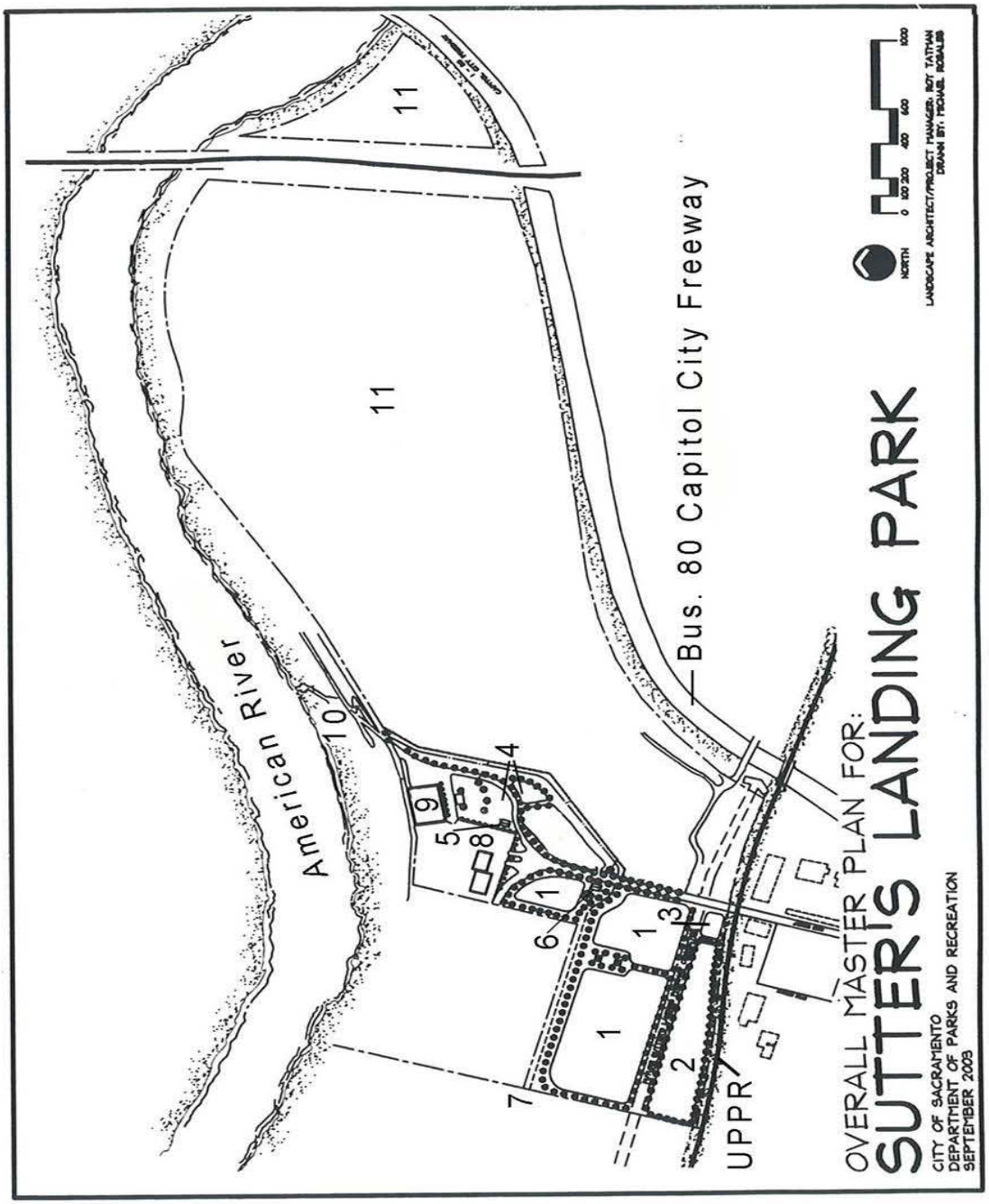
C. The most efficient and effective process to develop a plan is to convene a committee of community stakeholders and report back to the City Council within 180 days with recommendations.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

Section 1. Staff is directed to form a mitigation committee comprised of community stakeholders including, but not limited to, Friends of Sutter's Landing Park, Friends of Swanson Hawk, Save the American River Association, the Native Plant Society, and City staff to develop a plan that accomplishes the following goals: 1) identification of the environmental impacts of the cottonwood tree removal including possible loss of habitat value and development of an implementation plan; 2) identification and evaluation of strategies to manage the closed landfill in ways that are compatible with potential future land uses at Sutter's Landing Park; and 3) providing an effective public communication and outreach strategies.

Section 2. Staff is directed to report back to the City Council with recommendations within 180 days.

Appendix C. Sutter's Landing Park Master Plan Adopted 2003



(see Master Plan Legend below)

2003 Adopted Park Master Plan Elements *(Legend to prior page)*

1. Active recreation court and field areas
2. Dog Park
3. Additional parking
4. Passive recreation and court areas
5. Restroom
6. Concession
7. Connection to Two Rivers Trail
8. Park Operations and Recreation Offices
9. Skatepark in existing baler building
10. River Access
11. Future Natural Areas

Appendix D. Functions and Values Assessment for 28th Street Landfill Tree Removal Mitigation Project

H. T. HARVEY & ASSOCIATES
ECOLOGICAL CONSULTANTS

MEMORANDUM

Project #: 3355-01

FROM: **Debra Bishop, M.S.**
Senior Associate Restoration Ecologist

TO: **J. P. Tindell**
Park Planning & Development Manager

CC: Steve Harriman, City of Sacramento, Integrated Waste General Manager; Corey Brown, City of Sacramento Tree Mitigation Committee

DATE: 20 January 2012

SUBJECT: **Functions and Values Associated with the 28th Street Landfill Tree Removal Mitigation Project**

On Wednesday, 4 January and Monday 16 January 2012, H. T. Harvey & Associates conducted reconnaissance-level field surveys of the 28th Street Landfill Tree Removal Mitigation Project (LTRMP) site to document present conditions, identify changes from baseline conditions and assess the affected biological resources. The following is a description of the project vicinity and site, pre-project (baseline) habitat functions and values, present conditions, impacts to biological resources, and preliminary recommendations for full replacement of habitat functions and values.

REGIONAL SETTING AND CONTEXT

The project site, located within Sutter's Landing Park (Park), is situated within the American River riparian zone and serves as important wildlife habitat within the City of Sacramento. It is in one of the richest areas for raptors on the American River Parkway, especially for Swainson's hawk, because of the mature trees, open grasslands, and proximity to the Yolo Bypass and the agricultural fields north of Interstate 80. The project site was impacted in September 2011 by the removal of a 1-acre (ac) cottonwood forest from a water retention basin at the eastern end of the Park.

FUNCTIONS AND VALUES

Natural riparian areas are dynamic systems characterized by complex interactions between hydrologic, geomorphologic, and biotic factors. Meandering rivers transport and deposit sediment to form point bars, cut banks, and floodplains. These geomorphic features support a mosaic of highly connected, early to late successional plant communities suited to specific soil and

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hydrologic conditions. Plant communities within riparian zones are diverse, both in species composition and structure. The riparian forests of the Central Valley are composed of trees, shrubs, herbaceous plants, and vines that form a matrix of canopy layers. This compositional and structural diversity contributes to the overall ecological functions and values of riparian zones including energy flow, nutrient cycling, sediment transport, flood attenuation, groundwater recharge, and wildlife habitat, among others.

Riparian forest regeneration and other successional processes along the American River are limited by constraints imposed by levees and human development. The establishment of the LTRMP site cottonwood forest was unusual because cottonwood recruitment more commonly occurs on newly deposited coarse-textured soils on point bars with specific hydrologic conditions, not on old, deep, dry, fine-textured soils such as those found at the project site (Mahoney and Rood 1998). Historical aerial photographs indicate the stand was approximately 13 years old and may have established during the ninth wettest winter on record for Sacramento (1997-1998). It is unlikely that a cottonwood forest would reestablish on its own at the project site due to generally dry conditions. Young forest stands, such as the one that established on the project site, are of significant value because they provide excellent early seral habitat for a large subset of Central Valley riparian bird species and contribute to the overall connectivity and habitat diversity along the American River corridor.

Prior to the project impacts in September 2011, vegetation in the retention basin was identified in a Biological Resource Assessment for the 28th Street Landfill (Analytical Environmental Services 2011). Fremont cottonwood (*Populus fremontii*) was the dominant overstory species, and developed into a relatively dense grove together with other species, such as box elder (*Acer negundo*), Oregon ash (*Fraxinus latifolia*), interior live oak (*Quercus wislizeni*), valley oak (*Quercus lobata*), and black walnut (*Juglans hindsii*). Willow (*Salix* sp.) may have also been present (D. Self personal communication 2011). The estimated number of trees present prior to removal was somewhere between 100 and 200 individuals (D. Self pers. comm. 2011; J. Olesen pers. comm. 2012) within the 1-acre area. Understory vegetation was primarily non-native upland species including oat (*Avena* sp.), soft chess (*Bromus hordeaceus*), annual dogtail (*Cynosurus echinatus*), Italian thistle (*Carduus pycnocephalus*), ripgut grass (*Bromus diandrus*), field hedge parsley (*Torilis arvensis*), and foxtail barley (*Hordeum* sp.) (Analytical Environmental Services 2011). Most of the ground was trampled, bare or covered with tarps, belongings and trash (D. Self pers. comm. 2011)

A blue elderberry (*Sambucus nigra* ssp. *caerulea*) shrub that appears to be resprouting within the water retention basin was observed by the HTH ecologists (Photos 1 and 2). Blue elderberry is the host plant for the federally listed valley elderberry longhorn beetle (VELB) (*Desmocerus californicus dimorphus*). VELB is found only in association with blue elderberry and requires the shrub for each stage of its life cycle (U.S. Fish and Wildlife Service 2006). In its current condition,

the habitat quality that the shrub may have represented for VELB and occupancy of the shrub by VELB can not be determined.

The cottonwood forest likely hosted mammals and riparian obligate birds based on the size, age and height of the cottonwood trees, and especially its close proximity to the existing riparian habitat along the American River. This proximity was important as the habitats together provide a larger area for foraging and nesting. The young cottonwood stand could have provided shade and refuge for a number of mammals associated with this habitat type including skunks, raccoons, beavers, coyote, and mule deer. But the habitat value to mammals was reduced due to illegal camping and related activities that were occurring within the site. It was probably also important wintering and migratory stopover habitat for a variety of riparian bird species.

During the January 2012 reconnaissance-level surveys of the project area, H. T. Harvey & Associates' ecologists identified, in the adjacent existing riparian habitat, many of the species expected to be found in good quality riparian and open habitats including: white-tailed kite, red-tailed hawk, red-shouldered hawk, peregrine falcon, killdeer, California gull, American kestrel, mourning dove, Anna's hummingbird, Nuttall's woodpecker, downy woodpecker, northern flicker, black phoebe, Say's phoebe, American crow, western scrub-jay, Bewick's wren, house wren, oak titmouse, ruby-crowned kinglet, American robin, hermit thrush, western bluebird, phainopepla, American pipit, yellow-rumped warbler, orange-crowned warbler, California towhee, spotted towhee, golden-crowned, white-crowned, savannah, song and Lincoln's sparrows, red-winged blackbird, Brewer's blackbird, western meadowlark, purple finch, house finch, lesser goldfinch and American goldfinch. With the exception of killdeer, California gull, Say's phoebe, American pipit and western meadowlark, all of these species could be expected to have occurred in the cottonwood stand during winter seasons prior to its removal and many of these species are resident and could have bred in the stand as well.

Large cottonwood trees often provide many natural cavities for wood ducks, western screech-owls, American kestrel, and mammals such as bats and raccoons, as well as provide good substrate for woodpecker cavities used by western bluebird, oak titmouse, wrens, and tree swallow in addition to three woodpecker species. The cottonwoods that were removed were likely to have been too small and young to have offered maximum value to cavity species, but they were likely sufficiently large to have had at least a few woodpecker cavities. In its current state, the site is dominated by ruderal upland vegetation, primarily annual grasses and forbs and holds very little value for birds other than killdeer and perhaps a few foraging savannah and white-crowned sparrows (Photo 3).

In summary, the 1-ac cottonwood forest provided medium quality native riparian habitat for a number of wildlife species. The young stand functioned as an early-successional forest in a riparian system whose dynamic processes are limited by levees and development, and it

contributed to the overall connectivity of riparian habitats along the American River. It was comprised of several native riparian tree species as well as a lower quality understory of annual grasses and forbs.

MITIGATION AND ENHANCEMENT APPROACH

The mitigation and enhancement approach proposed below was developed to achieve the following goals:

- Restore and establish sustainable native riparian plant diversity,
- Improve habitat for raptors, riparian obligate birds and other wildlife,
- Provide habitat for VELB by including blue elderberries in the planting plan,
- Improve riparian connectivity in the American River riparian corridor,
- Enhance visual aesthetics, and
- Discourage illegal camping at Sutter's Landing Park.

Habitat values lost as a result of the tree removal could be mitigated in part by actively restoring cottonwood forest to the water detention basin. Once established, cottonwoods and other species would likely be self-sustaining at this location. Additional mitigation would be needed to fully compensate for the temporal loss of habitat at the project site. This additional mitigation could be provided at a proposed mitigation site east of the project area, in what is known as the Triangle Area (Photo 4). The proposed mitigation area covers approximately 2.5 acres, and a program to establish high quality native habitat would provide substantial mitigation value.

The proposed mitigation area currently is vegetated with highly disturbed annual grassland habitat that may support small mammals (e.g., meadow vole, cottontail, and black-tailed hare), reptiles (western rattlesnake and lizards) and a number of birds such as sparrows, towhees and goldfinches (Photo 5). Revegetating this site with riparian habitat (additional native trees, shrubs, vines and herbaceous species) in high densities would increase the wildlife carrying capacity of the site and attract more riparian obligate birds and nesting raptors. Ideally more in-kind mitigation would be provided by establishing cottonwoods, however the hydrology of this site is likely marginal for cottonwoods, and some grading should be considered to concentrate rainfall in areas that could support cottonwoods. A series of swales or ditches could be constructed in undulating parallel lines that would provide a wetter growing medium for species such as cottonwoods and willows. Such topography might also dissuade illegal camping in the area due to the uneven ground surface. In the higher terrace area, upland riparian species [such as blue elderberry, box elder, California coffeeberry (*Frangula californica*), California rose (*Rosa californica*), coyote brush (*Baccharis pilularis*), and valley oak] could be established to provide a diverse mosaic of habitat within the triangle. Any planting associated with this project should be consistent and in accordance with the USFWS Conservation Guidelines for the VELB (USFWS, 1999).

If this mitigation and enhancement approach is considered acceptable then the next step would be to develop a conceptual plan for revegetating these areas with the target plant species. This concept plan could then be used as a basis for estimating potential cost of implementation and maintenance, discussion with the stakeholders, resource agencies, and other interested parties as appropriate.

REFERENCES

Analytical Environmental Services. 2011. Biological Resources Assessment. City of Sacramento 28th Street Solar Photovoltaic Farm. August.

Jones & Stokes. 2002. River Corridor Management Plan for the Lower American River. Vegetation and Wildlife Management Element. January.

Mahoney, J. M. and S. B. Rood. 1998. Streamflow requirements for cottonwood seedling recruitment – an integrative model. Wetlands 18:634-645.

Olesen, J. 2012. Personal communication. Sr. Landfill Engineering Technician. Public Works. City of Sacramento. 4 January.

Self, D. 2011. Personal communication. California Native Plant Society. 17 December.

U.S. Fish and Wildlife Service. 1999. U.S. Integration of Guidance from USFWS Conservation Guidelines for the Valley Elderberry Longhorn Beetle. July.

U.S. Fish and Wildlife Service. 2006. Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*). 5-Year- Review: Summary and Evaluation. Sacramento Fish and Wildlife Office. Sacramento, California. September.

REPRESENTATIVE PHOTOS

Photo 1: Blue elderberry observed in the bottom of the retention basin at the 28th Street Landfill Tree Removal Site on 16 January 2012.

Photo 2: Approximate location of the blue elderberry observed in the bottom of the retention basin on 16 January 2012.

Photo 3: Tree removal site, 4 January 2012.

Photo 4: Impacted cottonwood forest (project site) and proposed mitigation site (Triangle Area). Aerial photo taken 13 June 2011.

Photo 5: Annual grassland dominated by yellow star thistle at the proposed mitigation site in the Triangle Area, 4 January 2012.

Prepared by H.T. Harvey & Associates, January 24, 2102

(intended as addition to Functions & Values Memo dtd. 1/20/12)

Riparian Habitat Mitigation Ratios

The assessment of an appropriate mitigation ratio for impacts to the impacted riparian habitat was based first of all on an assessment of the ecological functions and values of the impact site by conducting a reconnaissance of the vegetation, wildlife use, hydrology, degree of habitat disturbance, connectivity with a riparian corridor, and other factors that could affect the ecosystem. Because the habitat had been removed prior to the assessment, aerial photos, past reports, discussions and correspondence with those familiar with the site, and observation of nearby habitats were used to inform the assessment.

The vegetation known to have occurred on the site was considered with respect to how it qualified for three broad categories: high, medium, and low quality habitat.

High quality - Native overstory with continuous understory or occurring in dense thickets; dense native overstory with sparse, non-native or no understory; and native willow thicket.

Medium quality - Sparse native overstory with sparse, non-native or no understory, non-native overstory with native understory, and dense non-native overstory with sparse, non-native or no understory.

Lower quality - Sparse non-native overstory with sparse, non-native or no understory. In addition, any areas *not* included in medium or high quality categories that are covered with riprap, gabions, etc. (*e.g.*, ruderal habitat and bare ground).

These habitat quality categories are based on observed vegetation characteristics that correspond to the site's ability to support wildlife functions and values. The consideration of wildlife use of the impact site is further informed by the observations of a qualified wildlife biologist who examined information on the impact site and also conducted a reconnaissance of adjacent riparian habitats. The site was subject to extensive, sustained disturbance by long-term illegal campers causing a negative effect on the habitat values at the site. It is also separated from the American River riparian corridor by several hundred feet of open grasslands, railroad embankment, landfill infrastructure, and dirt roads, thus eliminating direct connectivity to the riparian corridor.

Based on that reconnaissance survey and additional research, it is our opinion that the vegetation of the impact site met the definition of medium to high quality habitat, as it had predominant cover by fairly mature high value native riparian trees but was subject to significant disturbance by the illegal campers and is not connected to the riparian corridor. The cottonwood forest is also an early seral habitat type a formerly common type of community within riparian corridors but occurrences are increasingly rare due to high floodplain elevations adjacent to the American River.

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The mitigation ratios generally associated with the habitat quality categories cited above are 3:1 for high quality, 2:1 for moderate quality, and 1:1 for lower quality. These ratios are also supported by the following factors, in addition to the quality of the habitat:

1. Temporal habitat loss (how long will it take to fully replace this lost habitat?)
2. Known risk that not all mitigation installed will be fully successful
3. Suitability of the proposed mitigation areas to support habitat that replaces the impacted habitat type in-kind

Moderate to high quality riparian habitat, as described briefly above, consists of large native trees therefore, the proposed mitigation area will need to establish a fairly mature riparian forest before it will have fully replaced the functions and values of the impacted habitat. Generally it takes more than 15-25 years for native riparian trees to develop into mature specimens, however in the case of the retention basin, we know the site was less than 14 years old. In determining ratios, it is also important to consider that as the installed vegetation establishes, some of it may fail due to natural (drought, insects and disease, etc.) and human (vandalism, poor maintenance, etc.) related factors.

The mitigation areas that appear available are the impact site retention basin and an adjacent area (triangle) across the railroad tracks. The impact site could likely be revegetated with the same mix of species originally impacted, thus providing 1:1 in-kind mitigation within approximately 15 years. The triangle site is not suitable for cottonwood, willow, etc. but could be revegetated with other native riparian tree and shrub species thus providing out-of-kind mitigation.

Given the considerations described above and based on our best professional judgment, a mitigation ratio between 2.5:1 to 3:1, on an acreage basis, would be appropriate due to temporal loss and other factors as described above. If the retention basin can be revegetated then the lower ratio would suffice, because in-kind mitigation would be provided at least partially. If all of the mitigation is out-of-kind at the triangle site, then 3:1 would be appropriate. These ratios would, within a period of approximately 15 years, result in an accumulation of habitat functions and values in the mitigation areas that will fully compensate for the impacts. It is also significant to note that these ratios and the success of the mitigation assumes that the sites will be kept relatively free of human disturbance, such as those using the site for illegal camping.

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Appendix E. List of Plants and Birds at Sutter's Landing Park

Table 1. Plants observed at the 28th Street Landfill Tree Removal Mitigation Project Site on 4 January 2012. This is not meant to be a comprehensive list and includes species observed on Union Pacific Railroad and City property. Some plants were not identifiable due to the timing of the survey, the level of effort, and the phenology of the plants. Nomenclature and status follow The Jepson Manual, Second Edition and the California Invasive Plant Council (Cal-IPC).

Family	Scientific Name	Common Name	Status[1]
Adoxaceae	*Sambucus nigra* ssp. *caerulea*	blue elderberry	N
Asteraceae	*Centaurea solstitialis*	yellow star thistle	I
	Erigeron Canadensis	horseweed	N
	Senecio vulgaris	common groundsel	E
	Silybum marianum	milk thistle	I
Brassicaceae	*Brassica nigra*	black mustard	I
	Raphanus sativus	wild radish	I
Cupressaceae	*Sequoia sempervirens*	coast redwood	N
Fabaceae	*Robinia pseudoacacia*	black locust	I
	Trifolium sp.	clover	E
	Vicia sp.	vetch	E
Geraniaceae	*Erodium botrys*	broad leaf filaree	E
	Erodium cicutarium	red stemmed filaree	I
	Geranium sp.	geranium	E
Plantaginaceae	*Plantago lanceolata*	English plantain	I
Poaceae	*Avena* sp.	wild oat	I
	Bromus diandrus	ripgut brome	I
	Bromus hordeaceus	soft brome	I
	Festuca perennis	Italian ryegrass	E
	Hordeum sp.	barley	E
Polygonaceae	*Rumex crispus*	curly dock	I
Rosaceae	*Rubus armeniacus*	Himalayan blackberry	I
Rubiaceae	*Galium* sp.	bedstraw	N
Salicaceae	*Populus fremontii*	Fremont cottonwood	N
Sapindaceae	*Acer negundo*	boxelder	N
Vitaceae	*Vitis californica*	California wild grape	N

[1] N = native; E = exotic or non-native; I = invasive and having limited, moderate, or high impacts statewide as rated by Cal-IPC.

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Table 2. Birds observed at the 28th Street Landfill Tree Removal Mitigation Project Site on 4 January 2012.

Common Name	Number Observed
Canada goose	10
common goldeneye	8
white-tailed kite	2
red-shouldered hawk	1
red-tailed hawk	1
peregrine falcon	1
killdeer	30
California gull	1
mourning dove	1
Anna's hummingbird	1
downy woodpecker	1
black phoebe	2
Say's phoebe	2
western scrub-jay	2
yellow-billed magpie	1
American crow	4
oak titmouse	2
bushtit	10
Bewick's wren	1
house wren	1
ruby-crowned kinglet	2
American robin	1
phainopepla	1
orange-crowned warbler	1
yellow-rumped warbler	14
spotted towhee	2
California towhee	2
Savannah sparrow	4
Lincoln's sparrow	2
white-crowned sparrow	4
golden-crowned sparrow	8
western meadowlark	2
house finch	1
American goldfinch	2

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Appendix F. Mitigation and Enhancement Approach

MITIGATION AND ENHANCEMENT APPROACH

The proposed habitat restoration at the 28th Street Landfill Tree Removal Mitigation Project site provides an opportunity to establish high quality riparian habitat comprised of locally-native species appropriate to the site. A variety of native trees and shrubs of local genetic origin that currently occur adjacent to the site within the lower American River Parkway would be established.

The Project site consists of two properties located east of the Landfill, north of the Capital City Freeway, and south of the American River (Figure 1). The approximately 1.0 acre (ac) property west of the Southern Pacific Railroad is the impacted site where approximately 1.0 ac of cottonwood forest was removed in September 2011. Fremont cottonwood (*Populus fremontii*) was the dominant overstory species in a relatively dense grove that included other riparian species, such as box elder (*Acer negundo*), Oregon ash (*Fraxinus latifolia*), interior live oak (*Quercus wislizeni*), valley oak (*Quercus lobata*), and black walnut (*Juglans hindsii*). Willow (*Salix* sp.) may have also been present (D. Self personal communication 2011). The estimated number of trees present prior to removal was somewhere between 100 and 200 individuals (D. Self pers. comm. 2011; J. Olesen pers. comm. 2012). Understory vegetation consisted of non-native upland species. However, most of the ground was trampled, bare or covered with tarps, belongings and trash (D. Self pers. comm. 2011). The approximately 2.3 ac property east of the Southern Pacific Railroad, in what is known as the Triangle Area, is vegetated with highly disturbed non-native annual grassland habitat.

CONTROL OF INVASIVE EXOTIC PLANTS

The Project site supports substantial stands of invasive non-native yellow star thistle (*Centaurea solstitialis*) in the Triangle Area. Because invasive plant species effectively compete with native species for space, nutrients, pollinators, sunlight, and water, control and eradication of the existing stands of invasive plant species would allow existing native vegetation to thrive, create space for native vegetation to be established and reduce the spread of invasive species in the future.

The control of invasive species at the Project site would primarily include physical and chemical methods or a combination of both. The technique used on any given species would vary based upon the known effectiveness of different techniques on each species and the cost associated with each method. In all cases, care would be taken in the planning for and application of herbicides to avoid inadvertent impacts to desirable native species and impacts to water quality, people, and wildlife. As a result, the use of herbicides on a habitat restoration site generally requires that a written recommendation be developed by a certified pest control advisor before herbicides are applied. This recommendation would be developed during the detailed design phase of the project.

PLANTING PLAN

At this stage of conceptual design, the predicted post construction soil texture, plant available soil moisture, and depth of seasonal groundwater levels are not fully understood. The specific

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Figure 1: Potential Mitigation Sites
Sacramento 28th Street Landfill (3356-01)
January 2012

H.T. Harvey & Associates

locations where each plant species would be established are dependent upon a better understanding of these parameters. Thus, the planting approach for woody vegetation would be further developed as part of the detailed design effort that would include incorporation of information gathered on groundwater hydrology and soil conditions. Based on habitat compositions typical to this region and what is currently growing within the lower American River riparian corridor, species such as willow and Fremont cottonwood would be planted within the bottom of the retention basin. More drought tolerant species like valley oak and California buckeye (*Aesculus californica*) would be planted throughout the Triangle Area. California wild rose (*Rosa californica*), and California blackberry (*Rubus ursinus*) would be planted within each site and concentrated around their perimeters to discourage trespassing. Table 1 lists the woody species likely to be included in the cottonwood forest planting mix for the retention basin. Table 2 lists the woody species likely to be included in the riparian forest planting mix for the Triangle Area.

Table 1. Plant Species Mix for Retention Basin.

Scientific Name	Common Name
Acer negundo	boxelder
Baccharis salicifolia	mule fat
Fraxinus latifolia	Oregon ash
Populus fremontii	Fremont cottonwood
Quercus lobata	valley oak
Quercus wislizeni	interior live oak
Rosa californica	California wild rose
Rubus ursinus	California blackberry
Salix gooddingii	Goodding's black willow
Salix laevigata	red willow
Salix lasiolepis	arroyo willow
Sambucus nigra ssp. *caerulea*	blue elderberry

Table 2. Plant Species Mix for Triangle Area.

Scientific Name	Common Name
Aesculus californica	California buckeye
Artemisia douglasiana	mugwort
Baccharis pilularis	coyote brush
Populus fremontii	Fremont cottonwood
Quercus lobata	valley oak
Quercus wislizeni	interior live oak
Rosa californica	California wild rose
Rubus ursinus	California blackberry

PLANT PROCUREMENT

All propagules used for restoration at the Project site would be of local origin and would be established from cuttings and seeds collected from populations growing in similar environments within the lower American River or Sacramento River riparian corridors within 5 miles of the site. Container plants to be installed within the mitigation site would be contract grown by a plant nursery that specializes in propagating native plants. If not already available at a native plant nursery, this generally requires 8-12 months lead-time to collect propagules and contract grow the desired plants.

PLANT INSTALLATION

All recommended container plants would be installed in augured holes between September and December. Oak acorns would be installed between October and December when soils are moist but the acorn's radicals have not yet fully developed. The recommended cottonwood and willow cuttings would be harvested and installed between January and February. All container plants, acorns, and cuttings would be irrigated immediately following installation.

NATURAL RECRUITMENT

Native plant species naturally recruiting with the mitigation sites would be encouraged. Maintenance crews would be trained to recognize native woody plants species that may naturally recruit on site to avoid inadvertent removal of these plants.

IRRIGATION

All plantings at the Project site would be irrigated for 3 years with a temporary irrigation system that may consist of drip, bubbler, spray, and/or a combination of irrigation methods. The irrigation system would be charged by a water truck. Approximately 10 gallons of water would be applied per container planting per irrigation event. In Year-1, the woody riparian plantings would be irrigated with enough regularity (approximately 2-4 times per month), from March through October, to keep the soil within the plant-rooting zone moist. The irrigation schedule in Year-2 and beyond would be less frequent and would be based on the soil moisture requirements of the plant communities. Irrigation would be done to train rooting using deep watering techniques to the extent feasible. Irrigation of the mitigation plantings will be assessed to determine if they are being irrigated with sufficient regularity. The irrigation schedule may be modified based on climatic and/or edaphic (soil) conditions to ensure vigorous plant growth during the summer months and/or times of drought. The irrigation system may be damaged as a result of vandalism or rodent activity. Therefore, any component of the system deemed non-functioning during the plant establishment period would be repaired as part of regular site maintenance.

SIGNAGE

Educational signage would be placed along the fencing to discourage disturbance to the developing habitat.

MAINTENANCE AND MONITORING

The Project site would be maintained and monitored for 3 years during the plant establishment period. A schedule of maintenance and monitoring activities is provided in Table 3.

Table 3. Maintenance and Monitoring Schedule.

<table>
<tr><th colspan="2" rowspan="2">Task</th><th colspan="12">Month</th></tr>
<tr><th>Jan</th><th>Feb</th><th>Mar</th><th>Apr</th><th>May</th><th>Jun</th><th>Jul</th><th>Aug</th><th>Sep</th><th>Oct</th><th>Nov</th><th>Dec</th></tr>
<tr><td rowspan="6">Monitoring</td><td>Percent survival</td><td></td><td></td><td></td><td></td><td></td><td></td><td rowspan="6" colspan="4">approx. 1-2 days between July and October</td><td></td><td></td></tr>
<tr><td>Percent cover</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Tree height</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Plant health and vigor</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Natural recruitment</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Photo-documentation</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="5">Maintenance</td><td>Irrigation application[1]</td><td></td><td></td><td colspan="8">approx. 2-4 times per month in Year-1
approx. 1-2 times per month in Year-2
approx. 0-1 times per month in Year-3</td><td></td><td></td></tr>
<tr><td>Weed control</td><td rowspan="3" colspan="2">approx. once per month</td><td rowspan="3" colspan="8">approx. 2 times per month</td><td rowspan="3">approx. once per month</td></tr>
<tr><td>Debris removal</td></tr>
<tr><td>Irrigation system repair and maintenance</td></tr>
<tr><td>Dead plant replacement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="3"></td></tr>
</table>

[1]Irrigation of the mitigation plantings will be assessed to determine if they are being irrigated with sufficient regularity. The irrigation schedule may be modified based on climatic and/or edaphic (soil) conditions to ensure vigorous plant growth during the summer months and/or times of drought.

An adaptive management strategy would be utilized to ensure the successful establishment of the riparian habitat. Those species that are well adapted to the site and have high health and vigor would generally be used to replace dead plants. Weeds within each planting basin and through the site as a whole would be controlled on a regular basis. The irrigation system would be maintained and repaired if damage to the system occurs through vandalism, rodent activity, or other disturbance. Measures would be taken to protect native plant species that establish through natural recruitment. At a minimum, these species would be identified and protected prior to and during weed control activities. Unnatural, inorganic debris and trash deposited on the site will be removed on a regular basis, as practical.

Annual monitoring of the site by a qualified biologist would determine if the project is fulfilling its mitigation obligations. Percent cover and plant survival would be used as primary indicators

of successful establishment of riparian habitat. In addition, tree height, plant health and vigor, and natural recruitment will be used as indicators of mitigation success. Photo-documentation of the site would be conducted from a number of fixed locations. Photographs would also be taken to record any event that may significantly affect the success of the mitigation such as fire, vandalism, or other disturbance. Both performance criteria and trend characteristics would be used to monitor and evaluate the extent to which the site is incrementally developing high quality riparian habitat. Results of annual monitoring would be provided in annual reports. Based on data collected and observations made during the monitoring period, modifications to the management program may be included in each monitoring report. Monitoring would cease when the final monitoring goals have been met. If annual performance criteria or final success criteria are not met, the project proponent would prepare an analysis of the cause(s) of failure, and if determined necessary, proposed remedial action for approval.

REFERENCES

Olesen, J. 2012. Personal communication. Sr. Landfill Engineering Technician. Public Works. City of Sacramento. 4 January.

Self, D. 2011. Personal communication. California Native Plant Society. 17 December.

Wildlife Species Observed at Sutter's Landing Park
Last Updated February 23, 2012
Friends of the River Banks
(81 Birds, 15 Mammals, 6 Reptiles, and 3 Amphibians)

Anseriformes - Screamers, Swans, Geese, and Ducks
Anatidae - Ducks, Geese, and Swans
Canada Goose *Branta canadensis*
Wood Duck *Aix sponsa*
Mallard *Anas platyrhynchos*

Bufflehead *Bucephala albeola*
Common Goldeneye *Bucephala clangula*
Barrow's Goldeneye *Bucephala islandica*
Common Merganser *Mergus merganser*

Galliformes - Gallinaceous Birds
Odontophoridae - New World Quail
California Quail *Callipepla californica*

Phasianidae - Partridges, Grouse, Turkeys, and Old World Quail
Wild Turkey *Meleagris gallopavo* - I

Podicipediformes - Grebes
Podicipedidae - Grebes
Pied-billed Grebe *Podilymbus podiceps*

Phalacrocoracidae - Cormorants
Double-crested Cormorant *Phalacrocorax auritus*

Ardeidae - Herons, Bitterns, and Allies
Great Blue Heron *Ardea herodias*
Great Egret *Ardea alba*

Accipitriformes - Hawks, Kites, Eagles, and Allies
Cathartidae - New World Vultures
Turkey Vulture *Cathartes aura*

Pandionidae - Ospreys
Osprey *Pandion haliaetus*

Accipitridae - Hawks, Kites, Eagles, and Allies
White-tailed Kite *Elanus leucurus*

Northern Harrier *Circus cyaneus*
Cooper's Hawk *Accipiter cooperii*
Red-shouldered Hawk *Buteo lineatus*
Swainson's Hawk *Buteo swainsoni*

Falconiformes - Caracaras and Falcons
Falconidae - Caracaras and Falcons
American Kestrel *Falco sparverius*
Merlin *Falco columbarius*
Peregrine Falcon *Falco peregrinus*

Gruiformes - Rails, Cranes, and Allies
Rallidae - Rails, Gallinules, and Coots
American Coot *Fulica americana*

Charadriiformes - Shorebirds, Gulls, Auks, and Allies
Charadriidae - Lapwings and Plovers
Killdeer *Charadrius vociferus*

Scolopacidae - Sandpipers, Phalaropes, and Allies
Spotted Sandpiper *Actitis macularius*

Laridae - Gulls, Terns, and Skimmers
Ring-billed Gull *Larus delawarensis*
California Gull *Larus californicus*

Columbiformes - Pigeons, and Doves
Columbidae - Pigeons and Doves
Rock Pigeon *Columba livia* - I
Mourning Dove *Zenaida macroura*

Strigiformes - Owls
Tytonidae - Barn Owls
Barn Owl *Tyto alba*

Strigidae - Typical Owls
Great Horned Owl *Bubo virginianus*

Apodiformes - Swifts, and Hummingbirds
Apodidae - Swifts
White-throated Swift *Aeronautes saxatalis*

Trochilidae - Hummingbirds
Black-chinned Hummingbird *Archilochus alexandri*
Anna's Hummingbird *Calypte anna*

Coraciiformes - Rollers, Motmots, Kingfishers, and Allies
Alcedinidae - Kingfishers
Belted Kingfisher *Ceryle alcyon*

Piciformes - Puffbirds, Jacamars, Toucans, Woodpeckers, and Allies
Picidae - Woodpeckers and Allies
Nuttall's Woodpecker *Picoides nuttallii*
Downy Woodpecker *Picoides pubescens*
Northern Flicker *Colaptes auratus*

Passeriformes - Passerine Birds
Tyrannidae - Tyrant Flycatchers
Black Phoebe *Sayornis nigricans*
Say's Phoebe *Sayornis saya*
Ash-throated Flycatcher *Myiarchus cinerascens*
Western Kingbird *Tyrannus verticalis*

Laniidae - Shrikes
Loggerhead Shrike *Lanius ludovicianus*

Corvidae - Crows and Jays
Western Scrub-Jay *Aphelocoma californica*
Yellow-billed Magpie *Pica nuttalli*
American Crow *Corvus brachyrhynchos*

Hirundinidae - Swallows
Tree Swallow *Tachycineta bicolor*
Violet-green Swallow *Tachycineta thalassina*
Northern Rough-winged Swallow *Stelgidopteryx serripennis*
Cliff Swallow *Petrochelidon pyrrhonota*
Barn Swallow *Hirundo rustica*

Paridae - Chickadees and Titmice
Oak Titmouse *Baeolophus inornatus*

Aegithalidae - Long-tailed Tits and Bushtits
Bushtit *Psaltriparus minimus*

Sittidae - Nuthatches
White-breasted Nuthatch *Sitta carolinensis*

Troglodytidae - Wrens
Bewick's Wren *Thryomanes bewickii*
House Wren *Troglodytes aedon*

Regulidae - Kinglets
Ruby-crowned Kinglet *Regulus calendula*

Sylviidae - Sylviid Warblers
Wrentit *Chamaea fasciata*

Turdidae - Thrushes
Western Bluebird *Sialia mexicana*
American Robin *Turdus migratorius*

Mimidae - Mockingbirds and Thrashers
Northern Mockingbird *Mimus polyglottos*

Sturnidae - Starlings
European Starling *Sturnus vulgaris*

Motacillidae - Wagtails and Pipits
American Pipit *Anthus rubescens*

Bombycillidae - Waxwings
Cedar Waxwing *Bombycilla cedrorum*

Ptilogonatidae - Silky-flycatchers
Phainopepla *Phainopepla nitens*

Parulidae - Wood-Warblers
Orange-crowned Warbler *Oreothlypis celata*
Yellow-rumped Warbler *Setophaga coronata*

Emberizidae - Emberizids
Spotted Towhee *Pipilo maculatus*

California Towhee *Melozone crissalis*
Lincoln's Sparrow *Melospiza lincolnii*
White-crowned Sparrow *Zonotrichia leucophrys*
Golden-crowned Sparrow *Zonotrichia atricapilla*

Cardinalidae - Cardinals and Allies
Lazuli Bunting *Passerina amoena*

Icteridae - Blackbirds
Red-winged Blackbird *Agelaius phoeniceus*
Western Meadowlark *Sturnella neglecta*
Brewer's Blackbird *Euphagus cyanocephalus*

Fringillidae - Fringilline and Cardueline Finches and Allies
House Finch *Carpodacus mexicanus*
Lesser Goldfinch *Spinus psaltria*
American Goldfinch *Spinus tristis*

Passeridae - Old World Sparrows
House Sparrow *Passer domesticus* - I

The sequence of birds on this list is organized to follow the 7th edition of the A.O.U Check-List of North American Birds, and supplements.

Mammals, Reptiles, and Amphibians Observed at Sutter's Landing Regional Park
Last Updated February 23, 2012
Friends of the River Banks

River Otter
California Sea Lion
California Ground Squirrel
Coyote
Black-tailed Jackrabbit
Beaver
Pocket Gopher
Eastern Fox Squirrel
Cottontail Rabbit
Bat sps
Striped Skunk
Raccoon
Black-tailed Deer
Western Gray Squirrel
California Meadow Vole
Western Pond Turtle
Red-eared Slider
Gopher Snake
Alligator Lizard
Western Fence Lizard
Common King Snake
Slender Salamander
Bull Frog
Chorus Frog

Appendix G. Recommended Schedule for Implementing Restoration Actions

H. T. HARVEY & ASSOCIATES
ECOLOGICAL CONSULTANTS

OPINION OF PROBABLE COSTS: CONSTRUCTION, DESIGN, AND LONG-TERM MONITORING (Revised)
Project: 28th Street Landfill Tree Removal Mitigation Project
Location: Sacramento, CA
Phase: Pre design - Planning estimate
Client: City of Sacramento
Date / prepared by: 13 Feb 2012 / L Kelly
Updated: 27 Feb 2012

		ANNUAL COST BREAKDOWN				
Item	Total Cost (2.26 ac)	Cost FY 2011-12	Cost FY 2012-13	Cost FY 2013-14	Cost FY 2014-15	Cost FY 2015-16
CONSTRUCTION COSTS						
Site Preparation: Non-Native Noxious Plant Control	$6,250		$6,250			
Irrigation System (Triangle Area Only)	$37,500		$37,500			
Planting						
Hydroseed	$12,500		$12,500			
Small Container Plants w/ Basin and Mulch	$37,500	$3,500	$34,000			
Sub-total	$50,000	$3,500	$46,500			
TOTAL CONSTRUCTION COSTS	$93,750	$3,500	$90,250			
CONTINGENCY (15%)	$14,063	$525	$13,538			
GRAND TOTAL CONSTRUCTION COSTS	$107,813	$4,025	$103,788			
Design (Plans, Specifications, and Cost Estimate)	$20,000	$20,000				
Monitoring *	$18,500		$3,500	$5,000	$5,000	$5,000
Maintenance (3 Years)	$60,000		$10,000	$20,000	$20,000	$10,000
Sub-total	$98,500	$20,000	$13,500	$25,000	$25,000	$15,000
GRAND TOTAL PROJECT COSTS	$206,313	$24,025	$117,288	$25,000	$25,000	$15,000

This opinion reflects probable construction costs obtainable for the project location on the date of this estimate. Due to the fluctuation of labor, material and equipment costs and the nature of the competitive environment at the time of bid, prices may vary.

PLANS, SPECIFICATIONS, AND COST ESTIMATE: $18,000-$20,000
standard format, technical specifications, and details. One (1) bid package will be prepared with review submittals at

MONITORING: FY 1 @ $3,500. Next 4 years @ $5,000 per year.
Assumes survival counts and determination of percent cover of native trees and shrubs.
* Actual number of years for monitoring to be determined.

Sacramento Valley Office
711 4th Street
Davis, CA 95616
530-753-3733

Appendix H. Title 27 California Code of Regulations (CCR) Sections 21135, 21180, and 21190

21135. CIWMB - Site Security. (T14:Section 17767)

(a) Sign(s) shall be posted at all points of access to a site sixty (60) days prior to the last receipt of waste at the site and for a period of not less than one hundred eighty (180) days after the facility has received the final shipment of waste stating the intended date of last receipt of waste at the site and the location of alternative permitted solid waste management facilities. A notice shall be placed in a local newspaper(s) thirty (30) days prior to the last receipt of waste which includes the intended date of the last receipt of waste at the site and the location of alternative solid waste management facilities.
(b) Sites which do not allow public disposal and which have not allowed public access to the site for more than one year prior to cessation of acceptance of waste, or are undertaking partial final closure pursuant to section 21120, shall be exempt from the provisions of this section.
(c) The EA may require more signs, signs written in additional languages, larger signs, or signs of clearer design, if necessary to protect public health and safety.
(d) The EA may grant variances from the sign provisions of this section after receiving a written request by the operator.
(e) Sedimentation and detention basins shall be secured and maintained during the closure and postclosure maintenance period to prevent unauthorized access.
(f) The operator shall ensure that all points of access to the site are restricted to protect public health and safety as of the date the final shipment of waste is received. Components of any monitoring, control or recovery systems at the site shall be protected from access other than that allowed in accordance with the approved closure and postclosure maintenance plans.
(g) Once closure activities are complete, site access by the public may be allowed in accordance with the postclosure maintenance plan, as approved by the EA.

Note:

Authority cited:

Sections 40502 and 43020, Public Resources Code; and Section 66796.22(d), Government Code.

Reference:

Section 66796.22(d), Government Code; and Section 44100 and 43103, Public Resources Code.

21180. CIWMB - Postclosure Maintenance. (T14:Section 17788)

[Water quality protection aspects for postclosure maintenance are addressed in Section 21090.]
(a) Postclosure maintenance for the purposes of reducing impacts to health and safety, shall be conducted to ensure the integrity of the final cover and environmental control systems. The landfill shall be maintained and monitored for a period of not less than thirty (30) years after the completion of closure of the entire solid waste landfill. Any areas in which final cover is placed prior to the closure of the entire landfill shall be maintained in accordance with an approved postclosure maintenance plan, but the thirty (30) year monitoring period shall not commence until closure of the entire landfill is complete. Maintenance and monitoring shall include, but not be limited to the following:

(1) site security;
(2) gas monitoring and control system maintenance as specified in the final closure and postclosure maintenance plans.
(b) If nonliquid waste is exposed during postclosure maintenance activities at a solid waste landfill, the waste may be returned to that landfill provided that the integrity of the final cover is maintained.

(c) The operator shall provide to the CIWMB and the EA copies of the maps and reports provided to the RWQCB pursuant to section 21090(e)(2) describing the amount of differential settlement.

Note:

Authority cited:

Sections 40502 and 43020, Public Resources Code; and Section 66796.22(d), Government Code.

Reference:

Sections 43021, 43103, Public Resources Code; and Section 66796.22(d), Government Code.

21190. CIWMB - Postclosure Land Use. (T14:Section 17796)

(a) Proposed postclosure land uses shall be designed and maintained to:

(1) protect public health and safety and prevent damage to structures, roads, utilities and gas monitoring and control systems;

(2) prevent public contact with waste, landfill gas and leachate; and

(3) prevent landfill gas explosions.

(b) The site design shall consider one or more proposed uses of the site toward which the operator will direct its efforts, or shall show development as open space, graded to harmonize with the setting and landscaped with native shrubbery or low maintenance ground cover.

(c) All proposed postclosure land uses, other than non-irrigated open space, on sites implementing closure or on closed sites shall be submitted to the EA, RWQCB, local air district and local land use agency. The EA shall review and approve proposed postclosure land uses if the project involves structures within 1,000 feet of the disposal area, structures on top of waste, modification of the low permeability layer, or irrigation over waste.

(d) Construction on the site shall maintain the integrity of the final cover, drainage and erosion control systems, and gas monitoring and control systems. The owner or operator shall demonstrate to the satisfaction of the EA that the activities will not pose a threat to public health and safety and the environment. Any proposed modification or replacement of the low permeability layer of the final cover shall begin upon approval by the EA, and the RWQCB.

(e) Construction of structural improvements on top of landfilled areas during the postclosure period shall meet the following conditions:

(1) automatic methane gas sensors, designed to trigger an audible alarm when methane concentrations are detected, shall be installed in all buildings;

(2) enclosed basement construction is prohibited;

(3) buildings shall be constructed to mitigate the effects of gas accumulation, which may include an active gas collection or passive vent systems;

(4) buildings and utilities shall be constructed to mitigate the effects of differential settlement. All utility connections shall be designed with flexible connections and utility collars;

(5) utilities shall not be installed in or below any low permeability layer of final cover;

(6) pilings shall not be installed in or through any bottom liner unless approved by the RWQCB;

(7) if pilings are installed in or through the low permeability layer of final cover, then the low permeability layer must be replaced or repaired; and

(8) periodic methane gas monitoring shall be conducted inside all buildings and underground utilities in accordance with section 20933 of Article 6, of Subchapter 4 of this Chapter.

(f) The EA may require that an additional soil layer or building pad be placed on the final cover prior to construction to protect the integrity and function of the various layers of final cover.

(g) All on site construction within 1,000 feet of the boundary of any disposal area shall be designed and constructed in accordance with the following, or in accordance with an equivalent design which will prevent gas migration into the building, unless an exemption has been issued:

(1) a geomembrane or equivalent system with low permeability to landfill gas shall be installed between the concrete floor slab of the building and subgrade;
(2) a permeable layer of open graded material of clean aggregate with a minimum thickness of 12 inches shall be installed between the geomembrane and the subgrade or slab;
(3) a geotextile filter shall be utilized to prevent the introduction of fines into the permeable layer;
(4) perforated venting pipes shall be installed within the permeable layer, and shall be designed to operate without clogging;
(5) the venting pipe shall be constructed with the ability to be connected to an induced draft exhaust system;
(6) automatic methane gas sensors shall be installed within the permeable gas layer, and inside the building to trigger an audible alarm when methane gas concentrations are detected; and
(7) periodic methane gas monitoring shall be conducted inside all buildings and underground utilities in accordance with Article 6, of Subchapter 4 of this chapter (section 20920 et seq.).

Note:

Authority cited:

Sections 40502 and 43020, Public Resources Code; and Section 66796.22(d), Government Code.

Reference:

Sections 43021, 43103 and 44105, Public Resources Code; and Section 66796.22(d), Government Code.

Appendix I. Funding Opportunities

State and regional agencies have allocated more than $750 million since 1996 to purchase land, build trails, restore wildlife habitat, and improve facilities along California's rivers. The state allocated more than $60 million for parkways along the Los Angeles River and tributaries in the year 2000 alone, and has provided more than $85 million for the San Joaquin River Parkway in Fresno over the past sixteen years.

Although the American River Parkway serves more visitors than any other river parkway in California, it has received only a small fraction of the funding allocated to urban rivers. As noted earlier, the American River Parkway receives more visitor days than Yosemite National Park.

State, federal and regional grants provide an important potential funding source to buy property, improve public access facilities, and improve wildlife habitat at Sutter's Landing Park and along the adjacent American River Parkway. By increasing its focus on securing external funding, the City of Sacramento has the potential to raise several million dollars in grants to improve Sutter's Landing Park and other properties along the American River. Grant funds could assist the City in implementing many of the recommendations included in the ENHANCE section of this report.

Potential state and regional funding sources include:

- California River Parkways Grant Program, Administered by the Secretary of Natural Resources, State of California (*)
- Urban Greening for Sustainable Communities Grant Program, Administered by the Strategic Growth Council, State of California
- Wildlife Conservation Board (various funding sources), State of California
- Proposition 117 Local Grants, administered by the California Department of Parks and Recreation, State of California
- Environmental Enhancement and Mitigation Program (EEMP), administered by the Secretary of Natural Resources, State of California
- Transportation Enhancement Activity Grants, administered by the Sacramento Area Council of Governments and the California Transportation Commission
- Bicycle Facility Funding, administered by the Sacramento Area Council of Governments and the California Transportation Commission

(*) The City currently has a $1.5 million grant request pending with the California Natural Resources Agency for California River Parkways Grant Funding for trail and wildlife habitat improvements at Sutter's Landing Park. Nonprofit groups assisted the City in developing the proposal.

- Solid Waste Disposal and Codispoal Site Cleanup Grants, Department of Recycling and Resource Recovery, State of California
- Nature Education Facilities Grant Program, administered by the California Department of Parks and Recreation

- Land and Water Conservation Fund, administered by the California Department of Parks and Recreation
- Recreational Trails Program, administered by the California Department of Parks and Recreation
- Integrated Regional Water Management Grants, administered by the California Department of Water Resources
- Natural Heritage Tax Credit, administered by the Wildlife Conservation Board
- Mitigation Funds related to Transportation, Flood Control, and other projects

The *City of Sacramento Parks & Recreation Master Plan* identifies a menu of potential local funding sources that can be used for park acquisition and improvements (**). While the City's current budget situation may limit the ability to access many of these funds in the short-term, these sources could be considered for Sutter's Landing Park enhancement projects over a longer timeframe. Some of the funding sources include:

- Park Development Impact Fees (PIF)
- Fees In Lieu of Park Land Dedication (Quimby)
- General Obligation Bonds
- Assessment Districts
- Sutter's Landing Park Billboard Revenues
- Other Municipal Revenue Sources

By expanding its efforts to raise additional funding for Sutter's Landing Park, and by partnering with other organizations including nonprofit groups, the City has the potential to raise significant funding to realize Sutter's Landing Park's potential to be a major contributor to the quality of life enjoyed by thousands of Sacramento area residents.

(**) Additional funding sources are identified in the *Sutter's Landing Area Master Plan Background Report* (October 1, 2008) and the *City of Sacramento Parks and Recreation Master Plan 2005-2010*.

Appendix J. 28th Street Landfill Routine Maintenance Activities

Routine defined as "done repeatedly over time at varying frequencies; typically annually or more frequently except under unusual circumstances."

Task	Frequency	Notes
Check Flare Operation	Daily	Check that flare is operating at proper temperature and all other equipment is in good working condition.
Check perimeter fence	Daily	Perimeter fence is checked daily for holes and repaired as necessary.
Check gas collection system	Daily	Gas system is checked daily at flare station. If there is a problem (poor gas quality), we inspect the entire landfill gas collection system for air leaks.
Check site	Daily	Drive the haul roads and landfill looking for ANY potential issues. Check areas frequented by illegal campers for vandalism or other issues.
Change charts at flare station	Weekly	Change two circular charts that record temperature and gas flow to the flares.
Monitor gas quality and flow rate	Weekly	Monitor gas quality at flare station and record gas flow for the past week to comply with regulations per AB32.
Monitor gas level on the interior of buildings	Weekly	Measure methane (CH4) levels in interior structures at corporation yard.

Fence repair	As needed, but mostly weekly	Repair fences that have been cut or damaged around the site perimeter.
Monitor all gas extraction wells and probes	Monthly	Monitor all gas probes per post closure requirements (LEA). Monitor gas wells to comply with the Title V Permit (Air Board).
Flare station maintenance	Monthly	Change oil in compressors, and grease blower bearings in the blower motor. Check operation of equipment, etc.
Inspect landfill cover	Monthly	Landfill cover visually inspected by driving the landfill property. Look for large cracks and settlement or ponding areas in the landfill cap. (Title V requirement.)
Check condensate traps	Monthly	Condensate traps pump the condensate to the flare station, where it drains into the combined sewer system. There are appx. 20 around the landfill site.
Change strip charts	Monthly	Change the monthly chart that records flow and temperature of both flares, and calculates an actual amount of landfill gas sent to the flares.
Groundwater sampling	Semi-annually	Take samples of the 19 groundwater wells located around the landfill and surrounding area. Completed in June and December.
Mow landfill grass	Annually	The grass on the landfill is cut with a flail mower. This requires approximately 80 actual mowing hours and is usually done annually between May 1 and June 30, depending on rain and moisture content of the grasses.
Landfill cap maintenance	Annually	Landfill cap maintenance is normally done between July and October. We fill areas that have settled using heavy equipment including a scraper, motor grader, water truck and loader.

Repair ditch-lines	Annually	Clean and re-grade drainage lines using a motor grader and scraper. This includes removing or covering vegetation to ensure proper drainage.
Road Improvement	Annually	As necessary, place asphalt grindings on the roads using a scraper and graded with a motor grader.
Retention basin maintenance	Annually	Mowing, weeding and grading as needed using a flail mower, weed eaters and motor grader. (Note: Must be protective of trees planted pursuant to REPAIR section of this report.)
Concrete Detention basins	Annually	Remove sediment that washes into basin during the rainy season.
Slope weed abatement	Annually	Clear all landfill perimeter slopes of vegetation for fire prevention. (Note: Except as pursuant to ENHANCE section of this report.)
Spray pipelines for weed abatement.	Annually	Apply herbicide to control weeds growing around and against pipelines. This is a fire prevention strategy.
Flare source tests	Annually	Emissions from flares are measured to make sure are in compliance with our Title V Permit.
Storm water run-off samples	Twice- during rainy season	Samples taken from the river at two locations and from the landfill at two locations during precipitation event.
Pipe repair	As needed	Pipe repair can be necessary anytime, and ranges from a small patch to a large pipe replacement.

Repair condensate traps	As needed	Repair pumps, cut air lines, etc. Some work in field, some in our shop.
Stockpile grindings and dirt	As needed	Accept asphalt grindings and dirt from various City Departments as they perform maintenance work around the City only at existing locations. The material is used on-site for road maintenance, cap repair, and various other projects.
Other repairs	As needed	All other misc. repairs. Mostly electronics at flare station, or new belts on compressors, or engine replacements.

Appendix K. Additional Information Sources

1. 28th Street Landfill Tree Removal Mitigation Committee website: www.cityofsacramento.org/parksandrecreation/28th-st-sltrmc.htm

2. *Sutter's Landing Area Master Plan*: www.cityofsacramento.org/dsd/planning/new-growth/SuttersLanding.cfm

3. *City of Sacramento 2030 General Plan*: www.sacgp.org/documents/04_Part2.06_EducationRecreationandCulture.pdf

4. *Sacramento County American River Parkway Plan 2008*: www.msa2.saccounty.net/parks/Documents/ARPP06-021909_sm.pdf including Woodlake Area Plan, pp. 156-158

5. *Guide to Revegetation and Environmental Restoration of Closed Landfills*, California Department of Resource Recovery and Recycling: www.calrecycle.ca.gov/SWFacilities/Closure/revegetate/

COMMENT LETTER FROM FRIENDS OF PARADISE BEACH ON CONTRACT 3A USACE EA/EIR

May 27, 2022

U.S. Army Corps of Engineers (USACE), Public Affairs Office
1325 J Street, Room 1513
Sacramento, California 95814
spk-pao@usace.army.mil

Flood Projects Branch
Department of Water Resources (DWR)
3464 El Camino Avenue Room 200
Sacramento, CA 95821
PublicCommentARCF16@water.ca.gov
Via Email

Re: Comments on Draft Supplemental Environmental Assessment /Environmental Impact Report (EA/EIR) for American River Watershed Common Features Project, American River Contract 3A

To USACE and DWR:

These comments on the Draft Supplemental Environmental Assessment /Environmental Impact Report (EA/EIR) for Contract 3a are submitted by the persons listed below, as Friends of Paradise Beach, an unincorporated association of community members who are concerned about the environmental effects of this project (among others) moving forward in the Paradise Beach segment of the American River Parkway.

We wish to clarify that we are not expressing opposition to the project, but instead are submitting these comments in order to help improve the overall project, by ensuring that mitigation is well-planned, adequate, and maintained.

Before we make specific comments, we will outline the unique challenges to, and importance of, environmental mitigation and restoration of the Paradise Beach (PB) segment of the American River Parkway. The PB segment is located on the south bank of the American River, between the S.P.R.R. Bridge to the west and "H" Street Bridge to the southeast. It is one of the smallest segments of the American River Parkway at 116 acres. However, proximity to California State University and population centers in Sacramento and nearby suburbs, along with free parking, mean that a wide range of users is drawn from the entire region. This is more than a neighborhood recreation area and is heavily used all year round. Heavy use and small area create extra challenges.

Over 95% of PB acreage is designated as PROTECTED AREA (California Protected Areas Database, American River Parkway Natural Resources Management Plan, Sacramento County Regional Parks); the narrowness of the segment makes preservation of the environment more crucial as a wildlife corridor. The challenge is made even more difficult by the convergence of four major construction projects in the

segment occurring nearly simultaneously. Our comments on the cumulative impacts (EA/EIR Chapter 4) of those projects will address this environmental challenge in more depth.

EXECUTIVE SUMMARY

ES.1 Summary of the Proposed Action

p. ES 3-10 Table ES-1 Summary of Impacts and Mitigation Measures

When the EIR/EA is certified and the mitigation measures adopted, this table will be converted into a Mitigation Monitoring and Reporting Plan (MMRP). Please provide a copy of this MMRP to us. At regular intervals, the Corps will update the MMRP to reflect the progress of mitigation. We realize the MMRP is a living document that will change regularly as mitigation progresses. With that in mind, we ask that you provide us with updated MMRPs at significant milestones, but in a timely manner, so we are kept appraised of progress/success/problems of mitigation measures and any further actions or corrective measures the resources agencies may require. 8-1

CHAPTER 2 Alternatives

Page 2-7 2.3.2.1 Planting Bench with Launchable Rock Toe and Buried Rock.

Our understanding is that the rock toe will "launch" only in a flood event, to cover the new channel bottom. 8-2

Questions:

1) Please explain in plain English what happens after the flood event, over time.
2) What do your models show?
3) What happens in subsequent flood events?
4) Does the USACE have to return to the site to repeat the installation operation? Will the plants in the planting bench be removed to accomplish this? 8-3
5) Will the presence of a new rock bottom warm the water temperature at that location, and if so, what will be the effect on salmonids and other wildlife? What do your models show? If these models show a potential negative impact, how would the problem be corrected? 8-4
6) The illustration of a Typical Planting Bench seems to show a wedge of soil. If that is accurate, how deep is the planting bench soil at its shallowest and deepest points? What size trees will those depths support? 8-5

Page 2-19-20 2.3.3.1 **Onsite Mitigation Design**

"To promote safety to bike path users, a 15' wide area adjacent to the bike trail would be planted only with native grasses and forbs." 8-6

1) Please explain how this would make it safer.
2) Will the grasses and forbs be locally sourced?

3) Will the grasses be mowed? If they will be mowed, will a mowing regime be adopted that will maintain valuable habitat?
4) Will the nearby levee banks also be sowed with native grasses, to ensure long-term viability of the native grasses and expand the grassland habitat area?
5) Will the care of these areas be supervised by biologists or habitat specialists until they are well established?

8-6 cont.

6) We suggest using forbs that enhance pollinators; specifically milkweed should be added to the mix. Seeds should be obtained from a reputable native seed source.

8-7

6) By planting only grasses adjacent to the bike trail, the bike trail and associated pedestrian trail will be unshaded. Shading of the bike path elsewhere in the Parkway is part of the beauty and functionality of the path. We believe that increasing native grassland is great, but not at the expense of the beauty and comfort afforded by a shaded bike trail and pedestrian walkway. Please respond how you will address this concern and whether and how you will consider our suggestion.

8-8

Section 2.3.3.2 Planting Elements

Page 2-22 Weed Control: The discussion says that weed control will be implemented on erosion control revetments and habitat benches and would include hand tools and mechanical means (weed eaters and mowing). Will a qualified biologist monitor this work to make sure native vegetation is not damaged?

8-9

Page 2-22 Weed Control and 2-25 Maintenance: the discussions refer to mowing. How will you prevent or reduce the spread of non-native seed? Will mowers be cleaned before mowing?

8-10

Page 2-25 Maintenance: this discussion says that after completion of initial planting; browse guards will be removed (among other activities). Please note that cages that were installed around trees for the 1986 Corps mitigation project adjacent to the Washout area have never been removed and are now biting into and girdling many of the trees, which defeats the original intent to protect these trees. We are concerned that the lack of follow-through on the 1986 Corps project sets a precedent and reduces our confidence that the browse guards that are installed for the proposed project will be removed in a timely manner as described in this section.

8-11

Section 2.3.4.2 Site Access

Page 2-26 Haul trucks will use Sutter's Landing Regional Park and the entrance at Glenn Hall Park (Fig. 2–12).Our experience during Contract 1 as users of Paradise Beach is relevant. Please consider these issues:

1) Tree survival in Glenn Hall Park. USACE has built a temporary access road in Glenn Hall Park adjacent to the baseball diamond, running from Sandburg to the Levee. The Glenn Hall Park tree located closest to the levee next to the temporary access road is not sufficiently protected from truck traffic. The fencing for the temporary access road is right next to the trunk. This is not accepted tree protection practice and should be corrected and not repeated by the next contractor. That tree may not survive Contract 1. See two photos accompanying this email.

8-12

2) Public Access to Paradise Beach. The public access to Paradise Beach during the construction period has been problematic at best. The access path is narrow for groups – and groups will be very common during the coming summer season. Access for family groups with strollers and coolers will be nearly impossible. The access from levee top to toe road has been bushwhacked at a steep degree that will be unsafe for many visitors. On the other hand, the nearest usable ramp is a hike down the levee that will be uncomfortable for many visitors. Is it possible to adjust the top to toe access slope? 8-13

CHAPTER 3 Affected Environment and Environmental Consequences

Page 3-6, Summary

The Summary says that "the Proposed Action would result in no new or more severe short-term impacts than those addressed in the ARCF GRR FEIS/FEIR and, therefore, those construction-related short-term visual impacts are already adequately addressed in the ARCF GRR FEIS/FEIR." Given that vegetation will not begin to mature for many years, visual impacts should not be considered short-term. This SEIR/EA should change the conclusion from short-term to significant long-term visual impacts. 8-14

Section 3.4 Vegetation and Wildlife

Page 3-21 Figure 3-1 Natural Communities of the Lower American River Contract 3A Project Site 1-1

Figure 3-1 shows the native plant communities in the project area. We would like to know if there is more specific information regarding these impacts; did you prepare an inventory of the trees you will remove, the species, and the DBH, and can you provide us that information? 8-15

Page 3-30 TABLE 3-4 EXISTING AND RESTORED HABITAT AREAS IN SITE 1-1

As shown by the third and fourth columns, Total Habitat Impacted and Total Habitat Created, it is clear that the loss of habitat will be substantial. Habitat Impact totals 30.62 acres vs. Habitat Created totals 10.84 acres. It is true that the Native grassland created is 6.63 acres while no non-native grassland will be created. Thus, there will be an improvement in the quality of grassland habitat. But there will be a loss of native scrub in the Riparian scrub habitat, with 3.53 acres native scrub impacted, and only 1.64 acres native scrub habitat created. The 1.64 acres of native scrub habitat does not fully mitigate for the 3.53 acres impacted. Please address this discrepancy and explain how you justify this. 8-16

Will a fragmentation of habitat and a loss of habitat corridors be the end result, and how will this be mitigated? 8-17

The offsite locations named for VELB are Rio Americano East and West, Rossmoor East and West and Arden Pond.

These mitigation sites are too far away to benefit the animals in the large section of the river impacted. Under federal and state wetland mitigation the work must be in-kind and as close as possible to the loss site. Can the habitat restoration be done nearer to the Contract 3A site, for example, at Bushy Lake, the site of a recent burn event, or Woodlake (a nearby USACE mitigation site)? It is our understanding that 8-18

this concept might be approved. There are numerous sites on the lower American River where losses have been severe due to fires and homeless camps in the last five years, where mitigation would be nearby and appropriate. Will the habitat across the river, at the now-closed Campus Commons golf course (Contract 2), be a complementary restoration project? We urge USACE to, as much as possible, restore areas onsite or within the Paradise Beach segment. Please provide us with information about how much of each kind of mitigation (onsite, PG Segment, elsewhere in the Parkway, outside Parkway) will occur for Contract 3A. 8-18 cont.

Page 3-31, first paragraph says that the proposed project would affect 4.92 acres of non-native grassland, and that this grassland would be replaced with 6.63 acres of native grassland, "which represents a much higher habitat value than non-native grassland." We commend the Corps for its commitment to replace the existing non-native grassland with native grassland, which will improve habitat values in the project area. We are, however, concerned about a few potential issues.

First, based on well documented cases, it is difficult and expensive to procure native seed mix that is not contaminated with non-native grasses and noxious weeds. What assurances can we get, such as a commitment to purchase native seed mixes from a reputable vendor, backed up by, for example, California Department of Fish and Wildlife? As discussed elsewhere in this letter, we recommend forbs that enhance pollinators, specifically including milkweed. We also would like assurances that the project is budgeting appropriately for non-contaminated native seed mixes. Maintenance of native grasslands requires an ongoing commitment. Can the USACE commit to properly and consistently maintaining and monitoring the grassland over at least a 5-year period? There will be other resources being monitored for a 5 year or greater period (discussed in the biological resources section); can native grassland mitigation be included in the monitoring rounds? 8-19

Will monitoring be done and maintenance overseen by a qualified biologist to assure that weeding for example is done properly and does not damage native grasses? 8-20

With non-native grassland abutting the newly established native grassland on either side, how do you suggest maintaining a boundary that prevents non-native grasses from invading and overtaking the native grassland? Increasing the 4.92 areas of mitigation area to 6.63 acres provides a buffer and may buy some time, but it is not a barrier or a panacea. 8-21

Page 3-33, first paragraph says that "…habitat features that benefit native species would be included in the design, and the site would be managed for the establishment and persistence of native trees…" Please explain how the site would be managed to ensure success. 8-22

Page 3-34, Mitigation VEG-1 says that trees would be protected in place during the placement of rock. Please see our comment for Section 2.3.3.2 Planting Elements, page 2-25. Page 3-83, Monitoring discusses site visits by a biologist for VELB. While at the site, will the biologist(s) also survey mitigated resources in the rest of the project area (such as trees, grassland, etc.)? 8-23

Page 3-87 Mitigation Measure TURTLE-1:

Western pond turtles are discussed in the Special Status Species section and the project includes Mitigation Measures TURTLE-1 (page 3-87) and WQ-1 (page 3-17) to protect turtles. Turtles (including Western pond turtle) are nesting until the end of June; please include language in the mitigation measure TURTLE-1 that addresses this particularly critical period for protecting turtles; perhaps with additional biological monitoring. 8-24

Section 3.9 Air Quality, Page 114

The Air Quality mitigation measures discuss watering exposed surfaces twice or more daily.

We suggest investigating whether non-toxic dust suppression and erosion control product might be applied to the haul route and other exposed surfaces. This also would be a water-wise approach given the drought; relying on water trucks would require a continuous application of water on exposed surfaces. There are several examples of dust suppression products that are eco-friendly; they do not use magnesium chloride. They are biodegradable and non-toxic and work by coating and binding with the soil. Please comment on your opinion, and that of the resources agencies, regarding the environmental benefits of using such a product. 8-25

We also urge USACE to install dust barriers along the levee adjacent to Glenn Hall Park and residences. These two measures along with other solutions will help reduce or prevent the transport of dust to Glenn Hall Park and homes during construction. These measures will be especially important given the dry and dusty conditions created by the drought and the project's removal of vegetation that will create more bare ground.

This issue should also be addressed in the Cumulative Impacts section, since the proposed project is using the same haul route as the Contract 1 project and overlaps with the City's Two Rivers bike trail project. 8-26

CHAPTER 4 Cumulative and Growth-Inducing Effects

Contract 3a is one of four projects that are having major impact on the Paradise Beach segment

Four Construction Projects in Paradise Beach Segment

Project – size (approximate)	Sponsoring Agency
Two Rivers Trail Phase II (TRT II) 3.25 miles in PB segment	City of Sacramento
Common Features Contract 1 5000 linear feet	USACE
Common Features Contract 3A 3000 linear feet	USACE
SR 61 Bridge-widening (SR 61) Approximately 0.85 acre in the PB segment	Caltrans

8-27

Contract 3A is adjacent to or overlapping with TRT II and SR 61. The EA/EIR does not adequately address the cumulative impact of these projects.

CEQA Guidelines require analysis of "[t]he cumulative impact from several projects" which "can result from individually minor but collectively significant projects taking place over a period of time." (CEQA Guidelines, §§ 15355, 15130.) The CEQA Guidelines within Section 15130 also provide that "An EIR shall discuss cumulative impacts of a project when the project's incremental effect is cumulatively considerable, as defined in Guidelines Section 15065(a) (3)." That section defines "cumulatively considerable" to mean "that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects." (14 C.C.R. 15065.)

8-27 cont.

Cumulative impact analysis is vital because the full environmental impact of a proposed project cannot be gauged in a vacuum. One of the most important environmental lessons that has been learned is that environmental damage often occurs incrementally from a variety of small sources. These sources may appear insignificant when considered individually, but assume threatening dimensions when considered collectively with other sources with which they interact.

Chapter 4 briefly discusses a number of past, present and future projects to be considered cumulatively with the proposed project. It is not until Sections 4.1.1.16 and 4.1.1.17 that the document mentions the Caltrans I-80 widening project and the City Two Rivers bike trail project. As these projects overlap spatially and temporally with USACE Contract 3A, they should be discussed first and in much greater detail. The current cursory paragraph for each is inadequate. In addition, the cumulative discussion makes no mention of the USACE Contract 1 project, which is an extensive and complex project currently underway just upriver. There is only a small gap between Contract 3A and Contract 1 projects; they cumulatively have a significant impact on the Parkway.

8-28

Completion of the four projects named above will result in a profound and permanent effect on the trees and other native habitat in this segment. We request that USACE (and other project sponsors in the Paradise Beach segment) re-evaluate all proposed habitat and tree damage and removal. If there is any way to preserve a tree or other habitat element, we ask that USACE do so if at all possible while meeting project goals.

8-29

Sacramento County is developing a Natural Resource Management Plan (NRMP) for the American River Parkway. The goal, among other things, is to require coordination and planning to occur in order to meet the goals of mitigation and restoration. Contract 3A provides an opportunity for USACE to meet this goal by ensuring that the habitat created is well-designed and well-maintained.

8-30

Thank you for providing this opportunity to comment on this document. We hope you will consider our comments and look forward to working with you to provide the best possible outcome for this necessary project.

Sincerely,

For Friends of Paradise Beach

Greta Lacin
Nancy McKenzie
Kate Riley
Sally Walters
Tony Mader
Sheri Opp
Stuart Reeves
Hallie Hester-Dahl
Lindsay Hester
Betsy Weiland, Land Use Chair - Save the American River Association (SARA)

Comment Letter 9

From: Sheri Opp
To: Erick Cooke
Date: Tuesday, May 3, 2022 9:42:32 PM

Why weren't the old established trees left in place and the "stabilization rocks" placed around them? Engineers with habitat conservation and ecological training should have been hired for this work. Those tree roots are more stabilizing that anything the ACOE can think up. Also those trees were habitat to many critters and a huge carbon sink that will never be replaced in our lifetime. Not to mention that it looks absolutely horrible. Who made this asinine decision? 9-1

Why was a huge oak tree removed no where near the levee project? This tree was 50 yards to the left of the Glen Hall Park access and not in the mentioned plans or anywhere near them.

Huge amounts of plastic fencing was used for the first part and more is being put up now. What happens to all this plastic waste?

What is the plan for the levee work near 80? There are huge magnificent cottonwoods with owls, hawks, many other birds, river otters, beavers, raccoons, skunks, deer etc. What about them? 9-2

Why was all this "stabilization" not done properly years ago when the levee was made? Is the ACOE going to clearcut all the established trees every few decades because their previous work is failing? Work was just done a few years ago behind Sac State and now is being redone! So once again, established trees and habitat is demolished. 9-3

Sent from the all new AOL app for iOS

Comment Letter 10

From: Stuart Reeves
To: Erick Cooke
Subject: Levee
Date: Tuesday, May 3, 2022 12:55:37 PM

Hello -

I have a number of questions:

1). Every tree along the river was removed and all of the riparian habitat destroyed from Glenn Hall Park to H St., Bridge a couple of months ago. I have seen nature, birds and wildlife attempt to restore itself during the past few months since this has taken place. Why was the subsequent work not done immediately thereafter so that birds nests etc. that have reestablished are not destroyed again?

2) There is a large area flatlands between the riverbed and the levee itself particularly along the campus Commons side of the river from H St. bridge to Howe- Similar to the golf course at campus Commons. In particular there is a healthy old growth forest grove that many deer congregate just up river from the H st bridge.This area seems completely irrelevant to any levee work that would need to be done as it is just a flat area. Will the tree removal only involve directly along the river and to what distance inland from there?

10-1

3). The levee work being proposed for contract 3a and the Map drawing show the "bank protection and on site mitigation site" extending from downriver to I80bridge to nearly up to the junction of Teichert and Sandburg. As drawn this would include currently marked off sensitive areas of elderberry plants/longhorn beetle protected habitat. This river section is also a straight in very calm water section and it is unclear why any work would be needed to begin with?

10-2

There is also one the best river trails in the area along the section with heavy growth riparian habitat forest. You're "riparian habitat protection" would take 50 years to recover if it's carpet bombed like you did on the other section.

10-3

4). What mitigation measures are taken to avoid destroying active birds nests with any tree removal?. This is bird nesting season for many breeds and was any seasonal timing of work to be done discussed to Minimize wildlife destruction?

10-4

Thank you for your time.

Comment Letter 11

From: shekky@att.net
To: Erick Cooke
Subject: American River Watershed Common Features LAR Contract 3A Public Meeting
Date: Thursday, May 5, 2022 4:57:24 PM

Good Afternoon Erick,

I have a question and concerns regarding 3A and the portions of the project currently active. I am a daily bike commuter and I utilize trail sections identified in 3A and the active sections. There is NO prior notice to sections being closed for work! I rolled up to the levee section on the Sac State side of the river between the Guy West Bridge and the H Street Bridge yesterday morning and it was closed. No clear detour or indication which alternate route would get me past the work. I have signed up for the Corp's email notifications and have gotten a couple of emails about the project at the regional level but nothing useful or timely regarding closures or routing! I am particularly concerned about areas around the "Business 80" bridge because closures there mean a lengthy backtrack to get to a route to work! 11-1

I understand that this is important work that needs to be done but how difficult is it to send an email to those of us who have signed up for updates and give us a reasonable notice of where closures are going to occur? Even one day prior to the closure would help to avoid wasted travel and time.

Thanks
Eric Milstein

Comment Letter 12

From: Sheri Opp
To: Erick Cooke
Subject: Levee construction comments
Date: Thursday, May 26, 2022 3:26:54 PM

The construction barriers that have been placed are trapping wildlife.

1) knee high, plastic, orange barrier extending from Glenn Hall ALL THE WAY to the END of Sac State. 12-1

2) 4 foot high, plastic, orange web fencing placed by 80 and elsewhere. 12-2

It is absolutely ridiculous to extend a barrier behind all River Park homes! Everyone knows of the construction site. Signs placed at the ends, warning of construction should suffice. This is an extreme amount of waste, as the current barriers will all be contributing to our landfills. 12-3

Please be sure that **Wildlife escape hatches and corridors are placed in the current barriers**

Barriers should not be placed in the 3A site. I personally witnessed baby ducklings trapped behind the knee high barrier, unable to reach their mother who was trying to get to the river. Also, there are rabbits trapped behind the higher fencing. 12-4

What is happening to the countless wildlife that are being displaced? There are so few in the the parkway as is. Shouldn't their escape be made as easy as possible? It is really heartbreaking to witness their struggle.

Sheri

Sent from the all new AOL app for iOS

Subject: Comments Regarding American River Contract 3A Supplemental EA/EIR

From: Frederick Tornatore
5430 Carlson Drive
Sacramento, CA 95819-179
fatoxic@tssconsultants.com
916.601.0531

To: Flood Projects Branch
Department of Water Resources
3464 El Camino Avenue Room 200 Sacramento, CA 95821
email: PublicCommentARCF16@water.ca.gov
&
Public Affairs Office
U.S. Army Corps of Engineers
1325 J Street Room 1513
Sacramento, CA 95814
email: ARCF_LARC3A@usace.army.mil

We have reviewed the above referenced environmental document and have the following comments and concerns. For reference points, we live 1 ½ blocks from where the construction trucks for the current phase of the levee upgrade project exit Glen Hall Park. We have already been impacted by the truck traffic going to and from the site with copious amounts of dust emanating from the truck traffic and the dirt and mud on the wheels of those vehicles not removed prior to leaving the Glen Hall Park access to the construction activities. Although we fully realize the importance of the overall project, and are resigned to accept the amount of current truck traffic in front of our house in the current and future phases, we would like to make sure in some manner that there is adherence to the mitigation measures contained in the document regarding traffic and air quality. Specifically, these are[1]:

13-1

AQ-1

- Minimize idling time, either by shutting equipment off when not in use or by reducing the time of idling to 5 minutes (required by 13 CCR Sections 2449[d][3] and 2485). Provide clear signage that posts this requirement for workers at the site entrances. [*Currently, trucks line up on Carlson sometimes for blocks and let their engines idle in exceedance of 5 minutes. We have timed it. There is currently there is no signage regarding this requirement*]

13-2

[1] Text in italics are comments are personal observations based on the current phase of construction the week of May 16, 2022

AQ-2

- Install wheel washers for all exiting trucks or wash off all trucks and equipment leaving the site. [*This is not currently being done, even though it is also a mitigation measure presented in the environmental document for the current phase of construction. We believe clean, washed wheels could eliminate our concerns about the dust coming from the dirt on the on the Carlson roadway. We also note that whereas there is a dedicated street sweeper going up and down our stretch of Carlson Drive, it cannot pick up all of the dirt stuck on the pavement, and in fact the street sweeper also kicks up considerable dust as well*] 13-3

- Post a publicly visible sign identifying the telephone number and person to contact at the lead agency regarding dust complaints. This person would respond and take corrective action within 48 hours. To ensure compliance, SMAQMD's phone number would also be visible. [*There is currently no signage of this type that we have observed*]. 13-4

In regards to truck traffic impacts, we recommend that a mitigation measure be added that the construction trucks not block residential driveways while parked or in line for ingress to the construction site at Glen Hall Park. In the current phase, trucks waiting in line block driveways of the residents along Carlson Drive. 13-5

It has also been noted in the Addendum's maps that construction haul trucks are not shown traveling east on H Street, west of Carlson Drive. This should be an explicit mitigation measure the haul trucks do not access H Street west of Carlson Drive. We have noted several trucks during the week of May 16th, heading westward down H Street. 13-6

We are also inquiring as to the preparation and execution of a Mitigation Monitoring Plan. We see the mitigation measures in the document, but other than a few references to such agencies as the Sacramento Metropolitan Air Quality Management District, it is not clear who or which agencies monitor the implementation of the mitigation measures offered in the subject document. 13-7

Thank you for the opportunity to comment on the subject document and present our comments and concerns based upon what we are already seeing in the current construction phase.

May 27, 2022

Comment Letter 14

-----Original Message-----
From: Stalker, Tyler M CIV USARMY CESPK (USA) <Tyler.M.Stalker@usace.army.mil>
Sent: Thursday, July 14, 2022 11:48 AM
To: ARCF_LARC3A <ARCF_LARC3A@usace.army.mil>
Subject: FW: Levee

Hello, I'm cleaning up my inbox and found this email from Mr. Stuart Reeves. We received the initial comments through Erick Cooke but also received these follow ups a little later. Just want to make sure the team has these

-----Original Message-----
From: Stuart Reeves <cofyco@hotmail.com>
Sent: Thursday, May 26, 2022 9:27 PM
To: Stalker, Tyler M CIV USARMY CESPK (USA) <Tyler.M.Stalker@usace.army.mil>
Subject: [Non-DoD Source] Re: Levee

Dear Mr. Stalker-

Yes I have added a few more comments and questions.

In the zoom presentation it was noted that there was possible stress on the current levee system based on a 1986 storm level and pictures were shown of that time period. If that was when potential issues were discovered, why is it now important nearly 40 years later to address them? I believe there was a new slurry wall work or repair eight or nine years ago as well as other raising of the overall height a foot and maintenance in the 90s or early 2000s. Were these not sufficient? 14-1

There is some confusion surrounding the extent of the proposed work and habitat/tree destruction and distance upstream from the I80 bridge. The flyer sent to our homes shows this extending all the way up to the street drainage site out to the river at Teichert and Sandburg Dr crossing. This far up river would be a disaster and devastating to the dense Old growth forest complete with majestic cottonwoods providing a canopy of shade for the green grasslands habitat and undergrowth unmatched along any other sections of the river. This up-river section also appears to already have the two levels of reinforced foot rock as was noted to be applied in the zoom presentation. A gorgeous national park like trail is part of this section that is used by hundreds daily. 14-2

I would humbly request any person tasked with assessing this levee section at the Army Corps walk the trail - pause and reflect on the sounds, beauty and life in this thriving and wonderful riparian wildlife habitat before considering any type of destruction. 14-3

From the 1500 page print out of the proposed work from USACE, the extent upriver from I 80 bridge shows to near Clyde Court in River Park. This would be a much preferred and a less destructive level upstream and only to where the lower levee river side road begins and comes down from the top of the levee. 14-4

For any levee work preparation, hopefully it can be addressed surgically and with minimal tree and habitat destruction. If it is clear cut like the other H St bridge section it will never recover to its original state- and despite your replanting of trees best efforts it will end up looking like a cement aqueduct and devoid of life for many decades. 14-5

Thank you for your time.

In the Matter Of:

AMERICAN RIVER WATERSHED

PUBLIC MEETING

May 05, 2022

ESQUIRE
DEPOSITION SOLUTIONS

800.211.DEPO (3376)
EsquireSolutions.com

AMERICAN RIVER WATERSHED COMMON FEATURES, AMERICAN RIVER CONTRACT 3A, SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT, SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT

PUBLIC MEETING

May 5, 2022

4:30 p.m.

Held via Zoom videoconference

Presenters:

Erick Cooke, Environmental Science Associates

Bailey Hunter, U.S. Army Corps of Engineers

Reported remotely by: Mandy M. Medina, CSR No. 11649

AMERICAN RIVER WATERSHED COMMON FEATURES, AMERICAN RIVER CONTRACT 3A, SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT, SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT

PUBLIC MEETING

May 5, 2022

4:35 p.m.

MS. HUNTER: We'll get started now. I would like to welcome you to the American River Watershed Common Features, American River Contract 3A, Supplemental Environmental Impact Report, Supplemental Environmental Assessment topic meeting.

My name is Bailey Hunter. I work for the Army Corps of Engineers. You will also hear later on from Erick Cooke, who works for ESA, who is writing the supplemental impact report for the SAFCA and Central Valley Flood Protection Board.

Next slide, please.

So at the end of this meeting, we will open up for public comment. Here is some instructions on how to participate. We will repeat them again, but I am trying to get it in twice so you guys have extra chances to make sure you are able to do this.

If you would like to make a verbal comment, you can press the "raise hand" button located at the

bottom of the Zoom window. If you are joining by phone, you can press "*9" to virtually raise your hand. You will be placed in the queue and we will give each person two minutes to provide comments during the comment period. You can also provide comments by selecting the "Q&A" button located at the bottom of the Zoom window and typing in your questions.

If you are having technical issues, please text (205) 697-3432 -- let me say that one more time, because I messed it up. In case you're on the phone, (205) 697-3432, and someone from our team will support you.

Next slide, please.

If you would like to provide comments at a later time, you still have time until May 27th. You can provide comments in writing via mail or E-mail. If you would like to provide comments via mail, you can mail your comments to the Flood Projects Office for the Department of Water Resources at 3464 El Camino Avenue, Room 150, Sacramento, California, 95821, or at the Public Affairs Office for the Army Corps of Engineers at 1325 J Street, Room 1513, Sacramento, California, 95814.

If you would like to provide comments via E-mail, you can do that as well. If you do want to provide comments via E-mail, please E-mail both DWR and

Army Corps of Engineers. Our E-mails are, for DWR, publiccommentARCF16@water.ca.gov. For the Army Corps, it's ARCF_LARC3A@usace.army.mil. If you do send an E-mail, also please put "American River Contract 3A" in the subject line.

I want to emphasize we are not going to be providing answers to any comments during this meeting. We want to go back to our teams and make sure that we put thought into providing the correct answer to your comments, so our comments will be responded in writing in the Final Supplemental EIR and EA, which we anticipate coming out in the fall.

Next slide, please.

So a quick agenda of what we will go over today. We are going to start by talking about the kind of overarching project, so the 2016 American River Watershed Common Features General Reevaluation Report, or we will say "2016 ARCF GRR/EIS/EIR," because that is a pretty big mouthful.

Now, this is kind of the overarching environmental or overarching project, and it had an overarching environmental document, which was a Final Environmental Impact Assessment or Statement and Final Environmental Impact Report. So that includes all of the projects for the Common Features project.

Today, we are talking about American River Contract 3A, which Erick Cooke from ESA will talk to you about. It is made up of a Supplemental EIR, which is the State environmental document, and the Supplemental EA, which is the federal document. Part one is the State document, and part two is the federal document.

At the very end of this meeting, we are going to open up for public comment. It will occur after the presentation. We will also relist the mailing instructions if you decide you would like to mail a comment as well.

I want to emphasize today we are focusing on American River Contract 3A, and that project is currently in design. If you have concerns for a project that's in active construction, that's Contract 1 or Contract 2. Today, we are focusing on Contract 3A.

Next slide, please.

So like I mentioned, I'm going to start by talking about the overall project, which was the American River Common Features 2016 project. It was approved in the Water Resources Development Act of 2016, and funding was approved in the Emergency Supplemental Appropriation and the Bipartisan Budget Act of 2018.

So you can see on this map, there is kind of

some, like, yellow and purple lines along the rivers. Those are the locations of all of the ARCF projects. The coloring, kind of on the land, those are the areas that are at risk for flooding.

Next slide, please.

We have federal, state, and local partners all working together trying to get this work done. The federal partner is the Army Corps of Engineers. Our local government nonfederal sponsor is the Sacramento Area Flood Control Agency, or we will probably be referring to them as SAFCA throughout this meeting.

We have two state agencies. The Central Valley Flood Protection Board, which is our CEQA lead, so the lead agency for the state environmental document, they have been getting help from the Department of Water Resources, or DWR, on writing that document.

Next slide, please.

If you would like more information, you can go to sacleveeupgrades.com. This is kind of the main website for the Common Features projects. You can access our NOA, which is the letter kind of saying that we have an environmental document out. It gives instructions for how to provide comments. But you can also find the environmental document, the

Supplemental EA and Supplemental EIR, some frequently asked questions, and PDFs of this slide. These PowerPoint slides are up there right now as well.

As the project progresses, we try to keep the website updated, so you can be up to date on when construction is happening or when -- if trails are being closed. I looked at it today, and it looks like we are not quite up to date for Contract 1 or 2. I'm under the impression that we are working right now on getting it up to date. But we are trying really hard to make sure we are staying up to date.

Next slide, please.

So this project is really important, because the Sacramento region has history of flood events and flooding. So these pictures are showing what happened with the 1986 flood, which had a flow of 134 cubic feet per second. This photo was actually taken near the business I-80 bridge, which is near where this project site is.

So you can see all of the erosion that occurred. That erosion puts the levee at risk for failure and all of the infrastructure and homes behind it at risk for flooding.

Overall, in the Sacramento region, there is over half a million people and 83,000 structures at risk

for flooding due to levee failure.

Historical flooding events have caused loss of life and extensive economic damages, not to mention Sacramento is the state capital of California, so there is a lot of government functions that are occurring around that would be massively destructed if a massive flood came through.

Next slide, please.

Okay. So going back to this map again, so that red arrow is showing where the project that we're talking about today is located, Contract 3A, or sometimes referred to as Site 1-1. You can see it's just a very small part of this whole project. So I want to emphasize that part of the project is what we're talking about today.

Now I'm going to transition to Erick Cooke who is going to talk about the Contract 3A project.

MR. COOKE: Thank you, Bailey.

The 2016 American River Common Features GRR/EIS/EIR evaluated up to 11 miles of erosion protection measures in the Lower American River.

Under Contract 3A, in the lower subreach of the Lower American River, Site 1-1 was identified as having a high risk of bank and toe erosion. 1-1 is located just on the eastern edge of Sutter's Landing

Regional Park and straddles underneath Business 80 and goes up a little upstream of Business 80 as shown here. The Site 1-1 is approximately 3,000 linear feet of erosion protection measures.

The erosion protection measures at site 1-1 include a combination of approaches, which includes bank protection with a planting bench and launchable rock toe and a soil-filled levee embankment revetment.

The active or actual construction area is shown here in red of Site 1-1. The other areas are temporary access areas and staging areas and haul routes as shown in this figure.

This cross-section is a graphical representation of the planting bench with launchable rock toe and buried rock tie-backs. What this cross-section shows is that, basically, the launchable rock toe is in the lowest part of the erosion protection measures, above which is a planting bench.

This rough representation shows approximate elevations of the lower water flows during summer. So the 800 cubic foot per second water surface elevation, when that elevation is at its lowest, you would be able to see part of the launchable rock toe. But above that, most of the launchable rock toe is not viewable.

This is a cross-section of the other erosion

protection measure feature of the soil-filled levee embankment revetment. This feature is on the land side slope -- sorry -- the water side slope of the levee above the planting benches and above the other features, such as the launchable rock toe as shown on the previous slide.

The design of the planting bench is incorporated into Site 1-1 to provide for on-site mitigation for the loss of vegetation from the construction of erosion protection measures. This slide here shows a representative segment of levee upstream between Guy West Bridge and H Street that was done back in May of 2000 -- or actually back in 2000.

Here, this basically shows the progression of the maturation of the vegetation that's planted on the planting bench and how, over the course of even just five years and ten years, the vegetation gets really thick and provides a screen to the launchable rock toe. But also, more importantly, it provides habitat that was lost during construction. It basically grows back the habitat and provides shaded riverine habitat for salmonids in the river.

That leads to the importance of the on-site mitigation. But also other mitigation being done in the Lower American River for the ARCF program is for the

benefit of providing shaded riverine habitat and habitat for juvenile salmonids and steelheads, but also other special status species such as the yellow-billed cuckoo.

The Draft Supplemental EIR/EA includes the topics, the analysis of the topics listed here. So in the Draft Supplemental EIR as part one, and Draft Supplemental EA as part two of the overall combined document, in both of these documents, Chapter 2 describes, in great detail, the proposed action at Site 1-1. It includes lots of details on design, construction, equipments, haul routes. All of these features of the proposed action are analyzed in these topics in Chapter 3 of each part.

In each of the topical areas in Chapter 3, each of the topics include environmental and regulatory setting, a methodology and basis of the significance, and the impact analyses. Each section also refers back to the 2016 ARCF GRR/EIS/EIR for reference of information more applicable to current conditions.

Information that was not in the 2016 ARCF GRR/EIS/EIR, such as details on construction methodologies and designs, haul routes, staging areas, on-site mitigation details, and other information specific to the proposed action here for Contract 3A are provided to supplement the 2016 ARCF GRR/EIS/EIR.

Analysis of impacts include mitigation measures, where needed, to reduce impacts as much as possible to less than significant levels. Topics with impacts that cannot be reduced to less than significant are determined to be significant and unavoidable, and those were identified as such in the 2016 ARCF GRR/EIS/EIR.

This figure is showing the haul routes that will be used for construction at Site 1-1. This shows the general circulation pattern from both Highway 50 and 80. As you can see, there are bidirectional arrows for the haul routes, and that is provided because there will be assessments of roadway conditions during construction. If there are any constrictions or restrictions, other routes can be used in other directions.

Typical mitigation measures exemplified here are going to be signage, detour routes, flaggers for areas where recreation and pedestrians could come into conflict with any of the haul routes and the construction site.

There will also be use of turbidity curtains, for example, to prevent sedimentation to the river. Here, you can see, on the bottom left of this screen, an example of anchored trees, which are also referred to as

in-stream woody material. These trees are anchored down to provide habitat for salmonids during the course of the growth of the vegetation that's going to be planted in the planting benches. So while the vegetation is growing to maturation, again, providing some shade, a shaded riverine habitat, quiet habitat, these trees provide a stable source of that habitat for juvenile salmonids.

And on the bottom right of the screen, this is an example of a mitigation measure for any of the elderberries that are found within the construction site that need to be removed. They will be removed by machinery and transplanted to one of the approved and currently underdeveloped mitigation sites upstream in the Lower American River.

The Contract 3A will be meeting environmental commitments included with the preparation of the Final Supplemental EIR/EA, and the approval and certification process for that under both the federal and state laws, NEPA and CEQA.

Also, we will be required to meet the biological opinions of the National Marine and Fishery Service and U.S. Fish and Wildlife Service for mitigation of impacts to special status species and habitat, and also meeting the water quality

certification by the state water board to prevent degradation of water quality in the American River.

The Contract 3A will also be consistent with the American River Parkway Natural Resources Management Plan, the American River Parkway Plan, and the Wild and Scenic Rivers Act.

The anticipated construction schedule for Site 1-1 includes preconstruction activities such as woody vegetation clearing and pruning, including elderberry shrub transplanting within construction, that occur within construction footprints, as mentioned previously. These activities could begin as early as October of this year and go until May of 2023.

Then site construction would begin sometime in late spring of 2023 and continue until conclusion in fall of 2023. That includes the installation of the waterside erosion protection measures shown previously and backfill for revegetation.

Post-construction during fall and winter of 2023 through the spring of 2023 will include the installation of a mixture of native vegetation along the waterside of the levee and the planting benches and on the waterside levee slope. And then further down the line will be operate maintenance of the vegetation establishment over the next three to five years to make

sure that vegetation is growing as expected to meet the habitat requirements and mitigation requirements.

The next steps for NEPA and CEQA include the public review period and acceptance or receipt of comments on the document, which is available at sacleveeupgrades.com.

The public comment period began on April 13th and ends on May 27th. It is anticipated that the final document will be prepared and ready for public view sometime this fall.

To keep up to date on closures and notices, you can subscribe to the construction and traffic E-mail updates on the sacleveeupgrades.com website. However, in addition, there will be, again, signage and mailers sent out to the neighborhoods that are adjacent to the construction of the haul routes to inform them of any particular closures, but also scheduled construction activities.

Now I will return the presentation back to Bailey.

MS. HUNTER: Thank you, Erick.

All right. Next slide, please. Wait. Sorry. Yes.

So access this website for up-to-date information and environmental document and the NOA.

Next slide, please.

We're going to be transitioning to the public comment period of this presentation. Again, I want to reiterate, if you want to do the comment in writing, you can do so by mailing the Flood Projects Office for Department of Water Resources, 3464 El Camino Avenue, Room 150, Sacramento, California, 95821, or the Public Affairs Office for the Army Corps of Engineers, 1325 J Street, Room 1513, Sacramento, California, 95814.

You can also provide public comments through E-mail at publiccommentARCF16@water.ca.gov for DWR, and ARCF_LARC3A@usace.army.mil for Army Corps. Please E-mail both DWR and Army Corps if you want to do E-mail and have "American River Contract 3A" in the subject line.

I would emphasize that the public comment period does end May 27th, so we need comments by then. I do want to also emphasize we're just collecting comments at this meeting. Responses to these comments will be provided in the Final Supplemental EIR/EA, which we anticipate coming out in fall.

Next slide, please.

So we are going to get ready for the public comment period. If you would like to make -- here are the instructions on how to participate. If you would

like to make a verbal comment, you can press the "raise hand" button located at the bottom of the Zoom window. If you are joining by phone, press "*9" to virtually raise your hand and you will be placed in a queue, and we'll give each person two minutes to provide your comment. We will have a counter kind of showing up in the background. Oh, and we will have -- we are going to have a court reporter write up your comments, so they will be typing up as you comment.

You can also provide some written comments using the "Q&A" button located at the bottom of the Zoom window and typing in your questions.

All right. So anyone who would like to make a comment, please raise your hand.

So far, I have one person. Now we have two. Okay. So I'll get started.

We are going to start with Kate. You had your hand up first. When we unmute you, please spell out your name and introduce yourself.

MS. RILEY: Hi, I'm Kate Riley. K-a-t-e, R-i-l-e-y.

I want to comment that Paradise Beach is one of the smallest segments of the American River Parkway, which is divided into segments for the plan and for the natural resources management plan.

15-1

There are only 168 -- 16 acres overall, yet it's widely used by a broad range of people. Proximity to Sac State and to Downtown Sac and nearby suburbs, along with free parking, mean it's used by way more than the folks in the neighborhood. So that's more than a neighborhood hangout. It's a regional hangout. Heavy use and small space means extra challenges.

Over 95 percent of the acreage in Paradise Beach is designated as protected area. Contract 3A is one of four projects that are having major impact on this very small segment. Two Rivers Trail Phase 2 is going around the entire segment, including at this site. Common Features Contract 1 is happening at the other end of the segment, and then the SR-61 bridge widening is also happening right near -- very adjacent to and perhaps even contiguous to this particular Contract 3A.

So Contract 3A is happening right where these two other projects are happening. They're all impacting the environment of this particular area and having some permanent and also temporary effects on the recreation values of the parkway.

Now, CEQA requires an analysis of cumulative impacts from several projects. What you see in -- what I've seen so far in what I've read in the

15-1 cont.

15-2

Supplemental EIR is a very general discussion of a wide range of projects. At the very end, you mention Two Rivers Trail and the bridge widening.

But let's face it. The real impact, the cumulative impact, is these four projects on this small segment; and particularly for 3A, the bike trail which is coming right through that area and is happening simultaneously, as is the bridge widening.

So if there was ever a time for a detailed and adequate cumulative effects -- cumulative impact analysis, it would be on this particular site.

So reading this DEIR, I am not impressed by the quality of the specificity of this particular analysis. Because this small, but crucial, segment of the ARP is being impacted from end to end by these four projects, the Corps should do a more complete discussion of how those cumulative effects will be resolved.

Thanks for listening to my comment.

MS. HUNTER: All right. We'll now move to Greta. Same thing, please spell out your name and introduce yourself.

MS. LACIN: My name is Greta Lacin. G-r-e-t-a, L-a-c-i-n.

I have a question about launchable rocks. Even though I know that you did not intend to answer the

15-2 cont.

15-3

question, it's not clear to me, in reading the text of the documents, whether the launchable rocks are anchored in place, or are they meant to release into the river to reinforce the riverbank so it doesn't wash out? And if they do, are they anchored in place or are they meant, as the name implies, are they meant to launch out into the river?

MS. HUNTER: Okay. We'll move now to Nancy. Same thing, please introduce yourself and spell your name.

MS. MACKENZIE: Can you hear me?

MS. HUNTER: Yeah.

MS. MACKENZIE: Okay. This is Nancy Mackenzie. N-a-n-c-y, M-a-c-k-e-n-z-i-e.

First, I wanted to point out that, in the general FAQs at the Corps website, it describes 3A as being 1,700 linear feet. So you will want to change that to its current linear footage of 3,000, or whatever that it is now.

The FAQ also gives points of contacts, E-mails and phones, to use to contact somebody about the project or to get a copy of the document. I had to try a number of times those particular -- the E-mail and the phone number that were provided. I did not get a response, and have had people mention to me they were unable to

15-3 cont.

15-4

15-5

get through.

Now, when my request reached Bailey, she got on it right away, and I really appreciate that. So I was able to get a hard copy of the document very quickly.

We were told, I think, earlier on, that there would be a point of contact that would be focused on this project who could address our questions, or at least direct them to the appropriate person. It doesn't seem like that's been done, because the contact is the public information officer, and we're just not getting -- they're just not getting back to us.

15-5 cont.

My main comment is regarding mitigation and mitigation over the three- to five-year period.

Page 225 of the EIR refers to crews. For work like weeding, will there be a biologist monitoring the work? While monitoring will occur during maintenance, we would expect that monitoring may occur more frequently to ascertain the condition of the mitigation. Are you planning for a biologist to do this?

15-6

A large mitigation area by another party downstream of the project area has had significant problems because the crews are not supervised, or were not supervised, by a qualified individual. As a result, large areas of mitigation plantings were weed-whacked,

15-7

resulting in significant damage to the success of the overall mitigation.

You will be submitting your MMRPs to responsible resource agencies, and we're asking you to include us on your distribution list for these reports. We also would like to be kept appraised of any further actions or corrective measures the resource agencies require.

Thanks very much for the opportunity to comment.

MS. HUNTER: All right. I just want to double check. Greta, your hand is still up. Did you want to provide another comment?

MS. LACIN: So I take it that you cannot comment even to clarify what launchable rock is, to define it for me? Is that true?

MS. HUNTER: At this moment, we are just collecting comments. Our response will come later.

All right. Did anyone else want to provide a comment? I see no other hands raised.

All right. We have one more hand up. Sheri, you can provide your comment now. Oh, and please introduce yourself and spell your name. So you should be able to unmute yourself and speak. Sheri, if you're trying to speak, you are still muted. I can't hear you.

15-7 cont.

15-8

15-9

Try unmuting yourself; or if you would like, you can type in the Q&A any comments. You should be unmuted to be able to speak.

I'm sorry if you are running into issues right now. Sheri, the unmute button is in your left-hand corner, if you want to try that, if you're trying to speak.

For now, let's move on to Tracy.

Sheri, either type in your issues or comments in the Q&A; or, Erick, if you can pull up the phone number, you can also text the phone number.

Is that the previous slide, or do you have to go all of the way to the beginning?

MR. COOKE: It's at the beginning. I can go to the beginning.

MS. HUNTER: Okay. We'll pull up that phone number. So if you are still having issues, try texting that. Hopefully, we can help resolve your issues.

So we'll move on to Tracy though while we're figuring that out.

Same thing, introduce yourself and spell out your name. Tracy, we are not hearing you, so same thing. There you go. You are unmuted now.

MR. PORATH: Can you hear me? Thank you.

Yeah, my name is Horacio Porath. It's

H-o-r-a-c-i-o, P-o-r-a-t-h.

My concern is more about the wildlife that is presently at the section of the river that is being affected, and that includes a lot of raptors. There are several large raptors like owls and hawks and so forth.

Those, I understand, tend to leave and come back if they find it appropriate. Of course, it wouldn't be appropriate for some of them who nest in larger trees. It may be years before we see them back, if ever.

The smaller wildlife that's on the ground, there are a lot of skunks and opossums and raccoons and so forth. A lot of those, of course, when they're disturbed, they move into the neighborhood. We have seen a bit of that happen, including the coyotes, which sometimes get some of our cats and other things that are outside.

But the wildlife that is going to be pushed out of those areas may not come back. There is considerable wildlife as well inside of the river. I know that I have seen river otters and I have seen beavers in multiple areas along that section where it is the Contract 3 that's going to be happening.

So those things are real serious concerns, because that's an extremely -- or an extraordinary value

15-10

to me and a lot of people that I know who care for the wildlife. Occasionally, we also see some sea lions, but I don't think they hang out in this area.

Anyway, that is my concern. I hope that -- you know, I heard a lot about mitigation, but that was on plants, elderberry, and so forth, but not about the movable wildlife that may leave and not come back. Thank you.

MS. HUNTER: Thank you.

We will try Sheri one more time. Let's see. So, again, you are unmuted on our end. So now you have to unmute yourself on your end. So the bottom left-hand side of the screen, try clicking that to see if that will work.

Sheri, if you are talking, we can't hear you. Again, you would have to unmute yourself on the bottom left. All right, Sheri. It doesn't seem like we are able to get you unmuted.

Erick, if you can go back to the slide with the addresses, and we'll leave that up for a bit so you can jot down this information and try and provide a comment that way.

We have gotten a few questions in the Q&A. I want to -- it looks like we've gotten three, so I just want to acknowledge to everyone we've gotten them.

15-10 cont.

15-11

Nancy has commented about responding to the launchable rock question that was brought up earlier. Since we have no other hands up, I will provide a kind of answer.

Chapter 2 of the project description, in specifically the EIR -- the EA is analyzing them slightly different just because of how the federal government does supplemental environmental documents. I would definitely recommend looking at Chapter 2 of the EIR. It kind of goes into this a little bit further, so that information should be provided there.

Sorry. Give me one second. Okay. Sorry about that. So there is no more hands up. I will give a couple more minutes in case someone would like to raise their hand. Otherwise, we will conclude this meeting.

I want to thank everyone for attending, and appreciate everyone's comments. Like I mentioned, we will be addressing them in the final environmental documents come November. So go to that Sac Levee Upgrades website for that document when it comes out.

I do want to reiterate, those who want to submit comments via E-mail or mail, that you have until May 27th to do so.

Okay. Nancy has her hand up again, so we will let you speak again.

MS. MACKENZIE: Bailey, the written comments that other people submitted during the meeting were perhaps submitted because they weren't able to get through on the audio. Could you read their comments, please, so we can all hear them? 15-12

MS. HUNTER: Sure. Okay. So first one was, "How extensive will the clearing of vegetation be on the river side of the levee?" 15-13

The next one is, "Is there potential for providing recreational access points for paddle sports and swimming?" 15-14

Next one, "Is it common practice to answer questions to the extent you can? The question regarding explanation of launchable rock would be a reasonable one to answer and would help the questioner understand the project better." 15-15

We just got three more. Someone saying, "I'm having a hard time finding the original FEIR. Can you put a link up?" 15-16

The next one, "Is there a chapter or page where there is a discussion of mitigation sites and conservation credits?" 15-17

And then the final one, "Will Section 3A have 15-18

the same level of (inaudible) environmental destruction as the H Bridge section? The recovery will take 60 years."

So I will answer Pete's question on the FEIR. Assuming, Kate, you are referring to the ARCF GRR, it is on the website. I think you do have to dig. I'm going to pull it up.

Erick, do you mind if I share the screen and show?

MR. COOKE: No, I don't.

MS. HUNTER: Give me one second. I'll share my screen.

Okay. So I think you have to go pretty far down and go to "Archive," and then it's right here, so ARCF Final EIS/EIR January 2016.

So I'll do that one more time. So you scroll all of the way to the bottom, go to "Archive," and then scroll all of the way to the bottom of this page, and it is right there.

All right. Go back to the Q&A.

It looks like I got someone to find the location in the -- wait. No. I'm going to real quick -- give me one second.

Okay. That looks like that is all of the Q&A comments. I see no more hands raised.

15-18 cont.

So, again, I would like to thank you-all for attending the meeting.

Sorry. Give me one second.

Okay. So we're going to conclude this meeting. Thank you-all for participating. Again, we will be responding to these comments in the Final EIR in the fall.

Just one last reminder, public comment period closes May 27th, so please have your comments in by then. Thank you.

(The meeting adjourned at 5:30 p.m.)

REPORTER'S CERTIFICATION

I, Mandy M. Medina, Certified Shorthand Reporter, in and for the State of California, do hereby certify:

That the foregoing was taken before me remotely via videoconference at the time and place herein set forth; that the testimony and proceedings were reported stenographically by me and later transcribed into typewriting under my direction; that the foregoing is a true record of the testimony and proceedings taken at that time.

IN WITNESS WHEREOF, I have subscribed my name this 17th day of May, 2022.

Mandy M. Medina, CSR No. 11649

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From:	Karen Huss
To:	Hunter, Bailey A CIV USARMY CESPK (USA)
Cc:	ARCF_LARC3A; Paul Philley
Subject:	[URL Verdict: Unknown][Non-DoD Source] RE: ARCF LAR C3A- Draft Supplemental Environmental Assessment Recirculated for Additional Public Review Period
Date:	Wednesday, July 13, 2022 3:02:53 PM
Attachments:	image001.png image002.png

Thank you for providing the recirculated draft supplemental EA for the ARCF LAR C3A project.
The Sac Metro Air District does not have additional comments on the recirculated draft.
Please let me know when the final supplemental EA is available for review.
Notices can be sent electronically to projectreview@airquality.org. 16-1

Karen Huss
Associate Air Quality Planner/Analyst
Transportation & Climate Change Division - CEQA & Land Use
Desk: (279) 207-1131
Website: www.AirQuality.org
Send project review inquiries to projectreview@airquality.org

@AQMD

From: Hunter, Bailey A CIV USARMY CESPK (USA) <Bailey.Hunter@usace.army.mil>
Sent: Wednesday, July 6, 2022 1:57 PM
Cc: ARCF_LARC3A <ARCF_LARC3A@usace.army.mil>
Subject: ARCF LAR C3A- Draft Supplemental Environmental Assessment Recirculated for Additional Public Review Period

***** THIS EMAIL ORIGINATED OUTSIDE AIRQUALITY.ORG *****

Hello,

You have shown interest in the American River Common Features (ARCF), Lower American River (LAR) Contract 3A (near the Business I-80 Bridge). During the initial public review process (April 13-May 27, 2022) there were updates to the National Environmental Policy Act (NEPA) Regulations. Because of this, USACE has needed to update the Draft Supplemental Environmental Assessment (SEA) to meet these updated regulations and are sending the Draft SEA out for a 15 day review period (July 8 to July 23, 2022). The recirculated SEA can be found at www.sacleveeupgrades.com. USACE will be accepting comments until July 23, 2022. **Please note that this Recirculated Draft SEA doesn't respond to any of the comments we received from the April 13 Public Review Period.** We

will address those comments and any additional comments we receive during this SEA recirculation in the Final SEA (anticipated to be published on www.sacleveeupgrades.com in Fall of 2022) .

Please email ARCF_LARC3A@usace.army.mil if you have any questions.

Bailey Hunter
U.S. Army Corps of Engineers
Environmental Analysis Section
1325 J Street
Sacramento, CA 95814

July 23, 2022

U.S. Army Corps of Engineers (USACE), Public Affairs Office 1325 J Street, Room 1513
Sacramento, California 95814
spk-pao@usace.army.mil

Flood Projects Branch
Department of Water Resources (DWR) 3464 El Camino Avenue Room 200
Sacramento, CA 95821 PublicCommentARCF16@water.ca.gov Via Email

Re: Comments on Recirculated Draft Supplemental Environmental Assessment (SEA) for American River Watershed Common Features Project, American River Contract 3A

To USACE and DWR:

This comment letter is in response to the USACE Recirculated Draft Supplemental Environmental Assessment (SEA) for the American River Common Features Project American River Contract 3A. In its Notice of Availability (NOA) and Recirculated Draft SEA, the USACE stated that it has revised the previously circulated Draft SEA, pursuant to amendments to NEPA regulations that address project purpose and need, and that define effects to include direct, indirect and cumulative effects.

The NOA and Recirculated Draft SEA state that cumulative effects were not assessed in the original Draft SEA and that the Recirculated Draft SEA now includes a cumulative effects section. However, this additional discussion does not adequately address cumulative effects of the project.

The Friends of Paradise Beach (FOPB) submitted a comment letter (May 27, 2022) during the public comment period for the Draft SEA/EIR. These comments addressed the requirements of both CEQA and NEPA. All FOPB comments addressing direct, indirect, and cumulative effects should be considered by the USACE so that the Draft SEA/EIR and Recirculated Draft SEA will comply with both CEQA and with the updated NEPA regulations. The FOPB May 27 comment letter is attached. These comments were submitted to the USACE in response to the Draft SEA/EIR but they are included here again to be considered also in response

17-1

to the Recirculated Draft SEA, in light of the updated NEPA regulations, requiring USACE's consideration and response. 17-1 cont.

Thank you for this opportunity to comment. We appreciate that you extended the review period from Saturday July 23 to at least Monday, July 25 ("…we will not be reviewing comments until Monday July 25 or Tuesday July 26. We were planning on incorporating any comments we get on Monday July 25, since the review period ends during the weekend.") (Bailey Hunter e-mail to Kate Riley, July 21).

Sincerely,

Kate Riley
Nancy MacKenzie
for
Friends of Paradise Beach, River Park

Enclosure

Comment Letter 18

From: DWR Public Comment ARCF 16
To: ARCF_LARC3A@usace.army.mil; Hunter, Bailey SPK; Erick Cooke
Cc: Claret, Miles@DWR
Subject: FW: LAR Contract 3A SEA
Date: Monday, July 25, 2022 11:31:33 AM

Hi everyone,

Here is the comment letter from the Save the American River Association for the C3A SEA. There was no attachment, just the text in the email.

Susie Real
Environmental Scientist | Flood Projects Branch
Division of Flood Management
CA Department of Water Resources
(916) 973-3014 | susanna.real@water.ca.gov

From: flweiland <flweiland@yahoo.com>
Sent: Monday, July 25, 2022 10:25 AM
To: SPK-PAO SPK <spk-pao@usace.army.mil>; DWR Public Comment ARCF 16 <PublicCommentARCF16@water.ca.gov>
Cc: Save the American River Association <info@sarariverwatch.org>; Dan Meier <14danmeier@gmail.com>; Dale Steele <daletsteele@yahoo.com>; Winternitz Leo <lwintern@comcast.net>; Joe OConnor <joeoconnor@earthlink.net>; Nancy Mackenzie <cumby54@yahoo.com>; Kate Riley <kbriley@surewest.net>
Subject: LAR Contract 3A SEA

You don't often get email from flweiland@yahoo.com. Learn why this is important

Re: Comments on SEA American River Contract 3A

Dear Sir/Madam,

The SEA American River Contract 3A is making too many assumptions about the impacts from the Project to Sutter's Landing Park, in particular to the wildlife that uses what is referred to as the Mound - the former garbage dump for the City of Sacramento that is fenced off from public use and has become habitat for birds, coyotes, rabbits, etc. who go back and forth between it and the American River Parkway. We refer you to SARA's comment letter dated May 27th, 2022, and the attached *28th Street Landfill Tree Removal Mitigation Committee Sutter's Landing Park document.* We look forward to the responses to our comments on the Recirculated Draft Supplemental Environmental Assessment for American River Contract 3A. 18-1

In direct response, however, to the subject document:

2.3 **Proposed Action** Please refer SARA to other environmental documents describing in detail the rock blanket under the Business I-80 bridge. Could the ditch with riprap to be installed below the Elvas Pump Station outfall and the revetment placement designed to be at grade above the Business I-80 runoff pipe cause permanent visual impacts to the River, Parkway and/or recreationists? How about the rock apron to be installed at the force main outfall? What is the total amount of tonnage and area of riprap/revetment being added to the original erosion protection project analyzed under the ARCF GRR FEIS/FEIR? Too little detail is provided to make meaningful comments on the significance of these additional erosion 18-2 18-3 18-4

protection locations upstream of the Business-I-80 Bridge. The assumptions in Contract 3A SEA that no significant impacts from these additions are not supported. The Proposed Action states "Consequently, the impact analysis already presented in the ARCF GRR FEIS/FEIR that anticipated significant unavoidable impacts on vegetation and wildlife from project construction is deemed applicable to the impacts expected from the Proposed Action." That may be true for vegetation and wildlife but what about other applicable impacts, permanent and temporary? Temporary noise and air quality issues during construction? Visual? Hydrology and Water Quality? 18-4 cont.

2.3.1.2 **Hauling** The document refers to three parking lots at Sutter's Landing Park (Figure 1-5). Friends of Sutter's Landing Park is a 501(c) 3 organization who actively maintains the area of the Parkway known as Sutter's Landing. This means regular weekly clean-ups for trash, restoration work, and care of the Gateway Garden. The impacts from use of the Skateboard parking lot on their ability to continue these activities would be potentially significant. 18-5

2.3.1.3 **Haul Route** The document does not include a discussion of potential impacts to McKinley Village. There only two entrances and exits to this residential development, and one of them is through Sutter's Landing Park. 18-6

3.5 **Visual Resources** Do the mitigations for lighting onto "light-sensitive receptors" include wildlife? The document only mentions "nighttime lighting that would be visible to by anyone commuting on the bike path, recreating at Sutter's Landing Park and vehicles passing near the stageing areas." There are owls, in particular, who fly back and forth at night from the American River Parkway to the Mound to hunt. Also, the many birds and other wildlife who call the River and Parkway home, should not be impacted, for their health, by more direct intrusive light than what is already present i.e the Skateboard Building. 18-7

3.6 **Vegetation and Wildlife** The LAR Contract 3A SEIR did not include a description of the wildlife that uses the previously mentioned Mound at SLP. The extensive use of SLP as a truck haul route has the potential to significantly impact the wildlife living on the Mound, and/or traveling back and forth between the Mound and the American River Parkway at SLP. 18-8

Thank you for the opportunity to provide further comments on American River Contract 3A, and for the courtesy of extending the deadline for comments to today, July 25th.

We look forward to working with the Army Corps of Engineers on achieving the best possible flood control measures for Sacramento, while protecting and conserving the values of the American River Parkway, a designated Wild and Scenic River.

Be well and safe.

Sincerely,

Betsy Weiland, Land Use Chair
Save The American River Association

Letter 1: California State Land Commission

1-1 Comment noted. USACE will contact the State Lands Commission contact provided in the comment to determine leasing requirements.

1-2 Comment noted. The comment summary of the Proposed Action is correct.

1-3 The ARCF Historic Properties Management Plan (HPMP) and ARCF Programmatic Agreement (PA) describe the procedures that will be followed by USACE and CVFPB in case any cultural resources are discovered during the construction the proposed action, including coordination with the landowner. Mitigation Measures CR-2 and CR-4 on page 3-101 in Chapter 3, *Affected Environment and Environmental Consequences* refer to and rely on these documents.

USACE and CVFPB are aware that title to all archaeological sites, and historic or cultural resources are vested in the landowner, which for submerged lands of California is the State, under the jurisdiction of the California State Lands Commission (the Project Area does not include any tide lands).

Further, USACE and CVFPB are also aware that the final disposition of archaeological, historical, and paleontological resources recovered from lands under the jurisdiction of the California State Lands Commission must be approved by the California State Lands Commission. If during construction of the Proposed Action any cultural resources are discovered on lands under the jurisdiction of the California State Lands Commission lands, the California State Lands Commission's staff attorney will be contacted. USACE and CVFPB appreciate that the Commission has provided contact information for their attorney for this purpose. There is no need to revise the mitigation measures to cite the Public Resources Code.

1-4 Comment noted. The State Lands Commission will be provided copies of requested documents as they become available.

Letter 2: Central Valley Water Quality Control Board

2-1 Section 3.3, *Hydrology and Water Quality* and Section 3.5, *Fisheries* in Chapter 3, *Affected Environment and Environmental Consequences* of the Final EIR/EA include descriptions of the regulatory requirements in the comment that area applicable to the Proposed Action. USACE and CVFPB will ensure all applicable permits are obtained by the Central Valley Water Quality Control Board prior to construction of the Proposed Action.

Letter 3: Sacramento Metropolitan Air Quality Management District (SMAQMD)

3-1 The DSEA has been revised to incorporate the quantitative emissions analysis that was provided in the DSEIR. This is reflected in the following text changes on page 3-44 through 3-47 of the DSEA:

> The ARCF GRR FEIS/FEIR's air analysis cannot be directly compared to the LAR Contract 3A project since some of the project area was not included in the initial analysis ~~and since the timing of the construction activities of that ARCF 2016 Projects have changed~~ and since the ARCF 2016 Project timeline has been condensed (requiring more projects and more emissions each year). Results of an air quality analysis available in Appendix D of the LAR Contract 3A SEIR and listed in and Table 3-2 show that air emissions from the Proposed Action would not cause a significant adverse effect to air quality. ~~A separate analysis is needed to ensure that there will not be a significant impact. In order to ensure that air emissions for the Proposed Action would not cause a significant impact, a qualitative comparison has been done with the LAR Contract 1 SEA/SEIR. A qualitative analysis is applicable in this situation because the types of construction activities in LAR Contract 1 are similar to the LAR Contract 3A Proposed Action. Overall, the analysis done in the LAR Contract 1 SEA/SEIR determined that even though emissions for NOx will be over the SMAQMD Threshold, mitigation measures would be put in place to reduce the impact from a significant level to a short-term minor level. The amount of material being hauled for LAR Contract 1 is three times the amount that is anticipated for the LAR Contract 3A Proposed Action (Table 3-3). In addition, the amount of equipment required for LAR Contract 1 is almost 4 times more than the equipment needed for the LAR Contract 3A Proposed Action (Table 3-4). Accordingly, emissions released during construction of the LAR Contract 3A Proposed Action should be well below those estimated to be produced during LAR Contract 1 levee reconstruction work. In addition, mitigation measures described for the Proposed Action in the LAR Contract 1 SEA/SEIR would also be implemented during construction of the LAR Contract 3A proposed action and should similarly decrease the impacts caused by LAR Contract 3A emissions to a minor level.~~

TABLE 3-2
LAR CONTRACT 3A ANNUAL AIR ANALYSIS RESULTS

Maximum Construction Activity	ROG Emissions (tons/year)	NO_X Emissions (tons/year)	CO Emissions (tons/year)	PM_{10} Emissions (tons/year)	$PM_{2.5}$ Emissions (tons/year)
2022	≤1	≤1	≤1	≤1	≤1
Exceed De Minimis Level?	No	No	No	No	No
2023	0.27	9.76	3.22	≤1	≤1

Maximum Construction Activity	ROG Emissions (tons/year)	NO_X Emissions (tons/year)	CO Emissions (tons/year)	PM_{10} Emissions (tons/year)	$PM_{2.5}$ Emissions (tons/year)
Exceed De Minimis Level?	No	No	No	No	No
De Minimis Level	25[1]	25[1]	100	100[2]	100[3]

NOTES:
1. VOCs/NOx levels for serious nonattainment areas for ozone
2. PM_{10} levels for all maintenance areas
3. $PM_{2.5}$ (2012) standard in attainment; thus higher de minimis level for moderate nonattainment areas used.

~~TABLE 3-3~~
~~MATERIALS NEEDING TO BE HAULED FOR LAR CONTRACT 3A AND LAR CONTRACT 1~~

~~Material~~	~~LAR Contract 3A Quantity~~	~~LAR Contract 1 Quantity~~
~~Instream Woody Materials~~	~~160 trees~~	~~300 trees~~
~~Excavated Soil~~	~~3,500 cubic yards (cy)~~	~~-~~
~~Riprap~~	~~23,400 cy~~	~~179,100 cy~~
~~Soil filled Riprap~~	~~10,000 cy~~	~~-~~
~~Bedding Material~~	~~7,520 cy~~	~~-~~
~~Planting bench soil~~	~~21,000 cy~~	~~57,000 cy~~
~~Aggregate Base~~	~~4,100 cy~~	~~-~~
~~Total~~	~~69,520 cy~~	~~236,100 cy~~

~~TABLE 3-4~~
~~EQUIPMENT AND STAFF NEEDED FOR LAR CONTRACT 3A AND LAR CONTRACT 1~~

~~Type of Equipment~~	~~LAR Contract 3A~~			~~LAR Contract 1~~		
	~~Max. Number Used per Day~~	~~Total Operation Days~~	~~Number of Workers~~	~~Max. Number Used per Day~~	~~Total Operation Days~~	~~Number of Workers~~
~~Excavator~~	~~2~~	~~80~~	~~2~~	~~26~~	~~120~~	~~65~~
~~Dozer~~	~~2~~	~~60~~	~~2~~	~~1~~	~~60~~	~~1~~
~~Skid Steers~~	~~3~~	~~80~~	~~3~~	~~-~~	~~-~~	~~-~~
~~Roller or grader~~	~~1~~	~~30~~	~~1~~	~~1~~	~~60~~	~~1~~
~~Dump Truck~~	~~20~~	~~60~~	~~20~~	~~48~~	~~120~~	~~48~~
~~55-ton Crane~~	~~1~~	~~15~~	~~1~~	~~-~~	~~-~~	~~-~~
~~Pickup Trucks~~	~~5~~	~~80~~	~~5~~	~~-~~	~~-~~	~~-~~
~~Flatbed Truck~~	~~1~~	~~20~~	~~1~~	~~1~~	~~60~~	~~1~~
~~Sheepsfoot Roller~~	~~2~~	~~40~~	~~2~~	~~-~~	~~-~~	~~-~~
~~4" pump~~	~~-~~	~~-~~	~~-~~	~~4~~	~~60~~	
~~Front End Loader~~	~~-~~	~~-~~	~~-~~	~~5~~	~~120~~	~~5~~
~~Transfer Dump Truck~~	~~-~~	~~-~~	~~-~~	~~46~~	~~120~~	~~46~~
~~Water truck~~	~~1~~	~~80~~	~~1~~	~~1~~	~~120~~	~~1~~
~~Total~~	~~38~~	~~545~~	~~38~~	~~133~~	~~840~~	~~168~~

~~A site-specific air quality analysis was done under Section 3.9.3 of the LAR Contract 1 SEA/SEIR and the results of the estimated daily emissions can be seen in Table 3-5. It was determined that construction-related emissions under the LAR Contract 1 Proposed Action would exceed SMAQMD's mass daily emission threshold for NOx. Implementing mitigation measures recommended by SMAQMD, listed below, and listed in Section 3.11.6 of the ARCF GRR FEIS/FEIR would reduce NOx in off-road equipment by 10 percent. However, when comparing LAR Contract 1's air analysis with LAR Contract 3A, LAR Contract 3A construction-related emissions of NOx would still exceed the SMAQMD's threshold. USACE would pay an off-site mitigation fee to the SMAQMD's NOX mitigation fee program for NOx emissions to reduce the impacts from NOx emissions.~~

TABLE 3-5
LAR CONTRACT 3A~~1~~ DAILY AIR ANALYSIS RESULTS

	Contract 3A (lbs/day)	SMAQMD Threshold (lbs/day)
ROG	4 ~~9~~	N/A
NOX	176 ~~194~~	85
CO	20 ~~92~~	N/A
PM10	47 ~~32~~	0*
PM2.5	6 ~~5~~	0*

* SMAQMD has a zero pound per day threshold of PM, when best available controls are not implemented but threshold with incorporated controls are 80 lb/day for PM10 and 82 lb/day for PM2.

Overall, the daily NOx emissions from the Proposed Action will be higher than the threshold set by SMAQMD. In addition annual emissions are not expected to exceed *de minimis* thresholds for the Proposed Action. USACE has already released a conformity determination for public notice in March 2020, and the Final General Conformity Determination for the American River Watershed Common Features 2016 Project was posted in June 2021. The General Conformity Report looked at the entirety of the ARCF 2016 Project and its associated emissions. The total NOx emissions of the overall ARCF 2016 Project were expected to exceed the EPA's General Conformity *de minimis* thresholds during several of the ARCF 2016 Project's construction years, including 2023, when the LAR Contract 3A Proposed Action is anticipated to be constructed. USACE expects to purchase offsets for NOx emissions from SMAQMD, which is a mitigation measure already implemented by the ARCF GRR FEIS/FEIR. The Proposed Action's increased NOx emissions will be minor with the purchases of NOx offsets.

In addition, mitigation measures listed in the ARCF GRR FEIS/FEIR and listed below will be implemented so that controls are in place for PM 10 and PM 2.5. SMAQMD changes the threshold level to 80 lb/day for PM 10 and 82 lb/day for PM2.5 when controls for PM 10 and PM 2.5 are in place. The PM 10 level of the Proposed Action is 47 lbs/day and the PM2.5 level of the Proposed Action is 6 lbs/day. Since both controls are in place and the emissions are below the updated threshold levels, there is only a minor impact from the Proposed Action on PM10 and PM 2.5 emissions.

~~The ARCF GRR FEIS/FEIR assumed that all of the ARCF 2016 Projects would be completed within 10 years. However, these projects are now scheduled to be completed within 5 years instead. This means more work will be undertaken during each year than the ARCF GRR FEIS/FEIR anticipated. However, USACE released a conformity determination for public notice in March 2020, and the Final General Conformity Determination for the American River Watershed Common Features 2016 Project was posted in June 2021. The General Conformity Report looked at the entirety of the ARCF 2016 Project and the possible associated emissions. The total NOx emissions of the overall ARCF Project are expected to exceed the EPA's General Conformity de minimis thresholds during several of the ARCF 2016 Project's construction years, including 2023, when the LAR Contract 3A Proposed Action is anticipated to be constructed. USACE expects to purchase offsets for NOx emissions from SMAQMD, which is a mitigation measure already implemented by the ARCF GRR FEIS/FEIR. The impacts from increased NOx emissions due to the accelerated timeline would be minor with the purchases of NOx offsets.~~

Section 3.11.4 of the ARCF GRR FEIS/FEIR analyzed impacts of erosion protection on fugitive dust, toxic air contaminants, odors, and operation and maintenance. Even though the type of erosion protection selected for the Proposed Action has changed from the type of erosion protection analyzed in the ARCF GRR FEIS/FEIR, the same construction activities analyzed in the ARCF GRR FEIS/FEIR, such as excavation, placement of revetment, and hauling of revetment, will be needed to complete the Proposed Action. This means that the Proposed Action would have similar impacts to fugitive dust, toxic air contaminants, and odors as the effects forecast in the ARCF GRR FEIS/FEIR. In addition, the erosion protection of the Proposed Action will involve similar operation and maintenance activities to those analyzed in the ARCF GRR FEIS/FEIR. Due to these similarities, the analysis presented in the ARCF GRR FEIS/FEIR and the mitigation measures listed in the ARCF GRR FEIS/FEIR are applicable to the Proposed Action. There will be no new impacts on fugitive dust, toxic air contaminants, odors, and operation and maintenance from what was already analyzed in the ARCF GRR FEIS/FEIR.

> Individually, LAR Contract 3A will cause only minor levels of emissions after mitigation measures are implemented. In addition, impacts of erosion protection on fugitive dust, toxic air contaminants, odors, and operation and maintenance will be minor. ~~Individually, LAR Contract 3A would cause only minor levels of emissions (lower than those disclosed for LAR Contract 1). LAR Contract 3A would be completed in one construction season over the course of one calendar year.~~ Together with other ARCF 2016 Project activities occurring in 2023, the ARCF 2016 Project as a whole will exceed general conformity *de minimis* thresholds for that year. ~~The ARCF GRR FEIS/FEIR identified air quality as having a potentially significant effect under a 10-year project build-out scenario. Compressing the schedule to 5 years under the Supplemental Program, the ARCF 2016 Project's annual missions will increase, including during 2023, the year in which Contract 3A is proposed for construction. Emission offsets would be purchased to mitigate for ARCF 2016 Project contracts being built in 2023. No individual general conformity report is required for Contract 3A.~~

In addition, annual emissions have been calculated for the Proposed Action and included in the DSEIR as Table 3-12B on page 3-124 as follows:

> As discussed above in Section 3.9.2.1, *Methodology*, construction emissions were evaluated with the assumption that haul trucks would have a 10-cy capacity. Total maximum daily emissions for 2022 and 2023 were estimated for ROG, NOX, CO, PM10, and PM2.5 and evaluated against SMAQMD's thresholds and presented in **Table 3-12A** and **Table 3-12B** for daily and annual emissions.
>
> As shown in Table 3-12A, construction-related emissions under the Proposed Action, which includes reductions associated with project commitments of higher tiered engines, would exceed SMAQMD's mass daily emission threshold for NOX, PM10, and PM2.5 in 2023 and would exceed the mass daily emission threshold for PM10 and PM2.5 in 2022 and 2023. USACE would be required to pay an off-site mitigation fee for NOX emissions to reduce the impact to a less-than-significant level. As shown in Table 3-12B, construction-related emissions from the Proposed Action would not exceed SMAQMD's annual emissions de minimus levels.

TABLE 3-12A
ARCF 2016 PROJECT, AMERICAN RIVER CONTRACT 3A CONSTRUCTION DAILY EMISSIONS

Maximum Construction Activity	Maximum Daily ROG Emissions (lb/day)[1]	Maximum Daily NO_X Emissions (lb/day)[1]	Maximum Daily CO Emissions (lb/day)[1]	Maximum Daily PM_{10} Emissions (lb/day)[1]	Maximum Daily $PM_{2.5}$ Emissions (lb/day)[1]
2022	<1	<1	<1	<1	<1
Exceed Threshold?	N/A	No	N/A	Yes	Yes
2023	4	176	20	47	6
Exceed Threshold?	N/A	Yes	N/A	Yes	Yes
CEQA Threshold	N/A	85	N/A	0[2]	0[2]

NOTES:

1 Estimates represent a worst-case construction conditions which was assumed to be from July to October 2022. For annual emissions and a comparison to Federal *de minimis* levels, see Appendix D.

2 SMAQMD has a zero pound per day threshold of PM, when best available controls are not implemented but threshold with incorporated controls are 80 lb/day for PM_{10} and 82 lb/day for $PM_{2.5}$

SOURCE: Modeling conducted by Ascent Environmental in 2021.

TABLE 3-12B
ARCF 2016 PROJECT, AMERICAN RIVER CONTRACT 3A CONSTRUCTION ANNUAL EMISSIONS

Maximum Construction Activity	ROG Emissions (tons/year)	NO_X Emissions (tons/year)	CO Emissions (tons/year)	PM_{10} Emissions (tons/year)	$PM_{2.5}$ Emissions (tons/year)
2022	≤1	≤1	≤1	≤1	≤1
Exceed De Minimis Level?	No	No	No	No	No
2023	0.27	9.76	3.22	≤1	≤1
Exceed De Minimis Level?	No	No	No	No	No
De Minimis Level	25[1]	25[1]	100	100[2]	100[3]

NOTES:

1 VOCs/NOx levels for serious nonattainment areas for ozone

2 PM_{10} levels for all maintenance areas

3 $PM_{2.5}$ (2012) standard in attainment; thus higher de minimis level for moderate nonattainment areas used.

SOURCES:

EPA. 2021. De Minimis Tables. General Conformity. Last updated on July 22, 2021. Available: https://www.epa.gov/general-conformity/de-minimis-tables. Accessed: June 20, 2022.

EPA. 2022a. Nonattainment Areas for Criteria Air Pollutants (Green Book). Green Book 8-Hour Ozone (2015) Area Information. 8-Hour Ozone (2015) Designated State/Area/County Report. Last updated on May 21, 2022. Available: https://www3.epa.gov/airquality/greenbook/jbcs.html#CA. Accessed: June 20, 2022.

EPA. 2022b.Nonattainment Areas for Criteria Air Pollutants (Green Book). Green Book PM-10 (1987) Area Information. PM-10 (1987) Designated Area State/Area/County Report. Last updated on May 31, 2022. Available: https://www3.epa.gov/airquality/greenbook/pbcs.html#CA. Accessed: June 20, 2022.

EPA. 2022c.Nonattainment Areas for Criteria Air Pollutants (Green Book). Green Book PM-2.5 (2012) Area Information. PM-2.5 (2012) Designated Area State/Area/County Report. Last updated on May 31, 2022. Available: https://www3.epa.gov/airquality/greenbook/pbcs.html#CA. Accessed: June 20, 2022.

3-2 In response to the comment, the following text has been revised for clarification to the DSEIR on page 3-129:

> **Mitigation Measure AQ-5: Pay NO_X Mitigation Fee to SMAQMD.** ~~Set in July 1, 2017 with no changes since writing this Draft Supplemental EIR (i.e., 2021), the mitigation fee rate is $30,000 per ton of emissions.[95]~~ The contractor would pay the appropriate SMAQMD-required NO_X mitigation fee to offset the project's NO_X emissions when they exceed SMAQMD's threshold of 85 lb/day only if USACE does not pay the mitigation fee through the General Conformity Determination during the year of construction. The NO_X mitigation fee would apply to all emissions from the Proposed Action: on-road (on- and off-site), off-road, portable, stationary equipment, and vehicles.

3-3 USACE and CVFPB has coordinated with the City of Sacramento and County of Sacramento recreation and transit staff and conducted public meetings with neighborhood associations in planning for the notification of transit organizations and implementation of safety requirements of Mitigation Measures TR-1 and TR-2 on pages 3-112 and 3-113 of the DSEIR and on page 3-51 of the DSEA.

3-4 All mitigation measures in the DSEIR/DSEA and in the General Conformity Determination will be included in the USACE contract specifications for Contract 3A.

Letter 4: Sacramento County Department of Regional Parks (Regional Parks)

4-1 In response to the comment, USACE will update the website and keep it up to date with information on the Proposed Action as new information becomes available.

4-2 The comment does not address the adequacy or content of the DSEIR/DSEA. The Project Partners will post signage for Contract 3A at strategic locations adjacent to the Proposed Action area that includes information on project activities affecting the American River Parkway (Parkway) users.

4-3 Comment noted.

4-4 Comment noted. The Project Partners will continue to communicate and work with the City of Sacramento and Regional Parks on planning for trail detours and closures from construction of the Proposed Action prior notification of the public.

4-5 Comment noted. Mitigation Measure REC-1 on page 3-157 in Chapter 3 *Affected Environment and Environmental Consequences* of the DSEIR states that notification of trail closures will be done 14-days in advance. In addition, the mitigation measure on page 3-55 in Chapter 3, *Affected Environment and*

Environmental Consequences of the DSEA states that notification of trail closures will be posted 14-days in advance and will be included in the USACE contract specifications.

4-6 Comment noted. The Project Partners will locate signs and provide notification by mail and on the www.sacleveeupgrades.com website to cover a broader area and population beyond the construction area boundaries. The USACE contract specifications for Contract 3A include language that notice of detours must be posted one mile from the area of detour. Further, the Project Partners will coordinate with Regional Parks to determine the appropriate location of signs and postings to adequately notify Parkway users of trail closures and detours.

4-7 Comment noted. As described Mitigation Measure VEG-1 and VEG-2 on pages 3-34 and 3-35 in Section 3.4, *Vegetation and Wildlife* and Mitigation Measure SRA-1 on page 3-92 in Section 3.6, *Special Status Species* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA, the Project Partners have and will continue to coordinated closely with the National Marine Fisheries Service (NMFS), the U.S. Fish and Wildlife Service (USFWS) and Regional Parks to locate and secure suitable mitigation sites within the Parkway that meet the requirements of CEQA, NEPA, and the Biological Opinions (BOs) as well as those goals outlined in the American River Parkway Plan, including policies 3.1 and 4.10. While it may not be feasible to completely mitigate within the Parkway, the proposed mitigation is meeting the goal to replace, repair, and restore adversely impacted resources as close as feasible in time and place to the impact through restoring impact areas on-site and conducting additional mitigation within Paradise Bend and other areas within the Parkway.

4-8 Comment noted. Your interest in reviewing the annual habitat monitoring reports has been noted by the Project Partners and will be considered. The Project Partners will continue to coordinate with Regional Parks, through the Bank Protection Working Group (BPWG).

4-9 The Project Partners will continue to coordinate with Regional Parks, through the Bank Protection Working Group, as well as with Regional Parks' planning efforts to align the long-term approach to mitigation in the Parkway between the Proposed Action and the Parkway Plan. Mitigation for the Proposed Action includes a combination of on-site mitigation within planting benches in C3A and off-site mitigation at Paradise Bend and other USFWS and NMFS approved locations within the American River Parkway. See also Responses 4-7 and 4-8.

Letter 5: Sacramento County Department of Transportation

5-1 As described in Chapter 2, *Alternatives* of the DSEIR/DSEA on pages 2-26 to 2-29, the Proposed Action haul route would use Business Interstate 80 (I-80) to 28th Street in the City of Sacramento to enter the west end of the project site at Sutter's Landing Regional Park for hauling materials into Site 1-1. Empty haul trucks would then travel on the top of levee to exit at Glenn Hall Park in the City of Sacramento and exit the River Park neighborhood. Empty haul trucks would then travel east over the H Street Bridge to Howe Avenue. Current activities on another levee improvement project (American River Common Features 2016, American River Contract 1) located on the waterside of the levee directly adjacent to Glenn Hall Park use Howe Avenue to Highway (Hwy) 50 to travel to sources of materials. Materials could be sourced for Contract 3A from the same suppliers as Contract 1 off Hwy 50 or from other sources located using I-80. All haul vehicles would be empty upon entering onto Howe Avenue at Fair Oaks Boulevard whether traveling south to Hwy 50 or north to I-80. As such, the haul vehicles would be empty and not result in the "heavy weight" stated in the comment on the use of the Howe Avenue route north to I-80 within the County. Therefore, haul vehicles would not result in significantly degrading County roadways and no further site-specific study of Site 1-1 is required for the analysis.

5-2 The comment requests information on trip distribution of haul trucks along proposed haul routes and volumes of haul trucks. See Response 5-1 and pages 2-26 to 2-30 in Chapter 2, *Alternatives* of the DSEIR/DSEA for more information on the description of hauling, including information on the volume of the haul trucks that would be used. The DSEIR/DSEA analyzed transportation impacts on pages 3-105 to 3-113 in Section 3.8, *Transportation and Circulation* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA and concluded that impacts on traffic volumes on local roadways would be short-term and significant and unavoidable, while all other impacts on transportation and circulation were determined to be less than significant with Mitigation Measures TR-1 and TR-2. Mitigation Measure TR-1 includes the preparation of a Traffic Control and Road Maintenance Plan which will be shared with the City and County once it is prepared according to the City's Ordinance 12.20.030. In addition, USACE will coordinate with the City and County during implementation of the Traffic Control and Road Maintenance Plan. Mitigation Measure TR-2 would require adding signage and signal personnel at locations identified in the Traffic Control and Road Maintenance Plan for pedestrian and bicycle safety.

Determination of truck trip distribution on the Howe Avenue segment in the County is not available at this time and is not required to analyze transportation impacts for construction activities under CEQA Guidelines Section 15064.3(b)(3) which states, "For many projects, a qualitative analysis of construction traffic may be appropriate." In addition, it is infeasible to measure the Proposed Action's

proportion of a temporary and minor increase in traffic along Howe Avenue from the Proposed Action on roadway surfaces in comparison to existing traffic volume effects on the roadway surface. Therefore, determining the Proposed Action's effects on roadway surfaces would be speculative and no additional traffic hauling studies are required to meet CEQA requirements.

5-3 See Response 5-2.

5-4 See Response 5-2.

5-5 See Responses 5-1 and 5-2.

Letter 6: City of Sacramento Public Works – Transportation Division

6-1 The comment summary of the Proposed Action is partially correct. In addition to use of the freeways, highways and local roads around Business I-80 near Exposition Boulevard and E St, the Proposed Action haul routes include local roadways between the Project Area and Hwy 50.

6-2 The comment suggests a quantitative analysis of roadway impacts to City neighborhood streets. See Responses 5-1 and 5-2 for information regarding the description of hauling, haul routes, truck trips, sufficient analyses of impacts and mitigation measures for impacts on transportation and circulation, and requirements of CEQA Guidelines for analysis of construction traffic. Further, the comment does not address the adequacy or content of the DSEIR/DSEA.

6-3 Section 3.8, *Transportation and Circulation* in the DSEIR includes a quantitative analysis of impacts of the Proposed Action, while Section 3.11, *Transportation and Circulation* in the DSEA included a qualitative analysis of impacts using a comparison to the DSEIR/DSEA that was prepared for Contract 1. Text changes have been made to pages 3-49 and 3-50 the DSEA to incorporate by reference the quantitative impact analysis presented in the DSEIR for Contract 3A as follows:

> ~~In order to determine whether additional transportation impacts from the specific haul routes recently identified in the final design for the LAR Contract 3A sub-project would occur, a qualitative analysis of impacts associated with performance of the LAR Contract 1 Project serves as a useful proxy because the types of construction activities in LAR Contract 1 are similar to those planned for LAR Contract 3A. In addition, haul routes are similar for LAR Contract 3A and LAR Contract 1. Most of the roads use for these projects are the same. The main difference in the haul routes include one way access from I-80 at 29th St into Sutter's Landing Park. Table 3-3 and Table 3-4compare the materials transported, equipment and staff for LAR Contract 1 and LAR Contract 3A. Work under LAR Contract 3A includes significantly less materials to transport~~

~~requiring less equipment and staff. The analysis done in the LAR Contract 1 SEA/SEIR determined that there were additional impacts (impacts to public safety, road conditions, and parking availability) not discussed in the ARCF GRR FEIS/FEIR. Because LAR Contract 3A is much smaller, requires less materials to be transported and requires less staff, the impacts to traffic and circulation, which are discussed in the following paragraph, would be less than the impacts analyzed for LAR Contract 1.~~

The timeline for the ARCF 2016 Projects has been expedited from 10 years to 5 years, so there is a risk that impacts to traffic will be greater than the level estimated in the ARCF GRR FEIS/FEIR. To determine whether additional transportation impacts from the specific haul routes recently identified in the final design for the LAR Contract 3A sub-project will occur, the possible traffic effects of the Proposed Action need to be re-evaluated. The specific routes haul trucks will take are shown in Figure 1-8. These haul routes have been chosen to avoid sensitive receptors as much as possible. However, in a few places trucks need to drive through neighborhoods (such as River Park), near neighborhoods (such as McKinley Village), or by a school to access the construction sites. Table 3-3, below, shows the estimated trips per day expected to occur, based on material quantities and truck sizes for the different construction sites.

TABLE 3-3
ANTICIPATED CONSTRUCTION TRAFFIC VOLUMES LAR CONTRACT 3A

Schedule	Materials	Total Imported Materials (CY or Trees)	Total Haul Trips	Return/ Unloaded Trips	Total Truck Trips	Scheduled Delivery Days	Trips/ Day	Trips/Hr
May 2023 through October 2023	Excavated Soil	3,500 cy	360	360	720	12	60	5.5
	Bedding Material	7,520 cy	750	750	1500	12	125	11.4
	Riprap	23,400 cy	2,700	2,700	5,400	34	159	14.4
	Soil-filled Riprap	10,000 cy	1,500	1,500	3,000	14	214	19.5
	Planting Bench Soil	21,000 cy	2,090	2,090	4,180	26	161	14.6
November 2023	Aggregate Base	4,100 cy	455	455	910	9	101	9.2
	IWM	160 Trees	40	40	80	20	4	0.4
Total	**69,520 cy and 160 Trees**		**7,895**	**7,895**	**15,790**	**Peak Trips**	**214**	**19**

NOTES:
1 CY: Cubic Yards
2 Truck Volume

Excavated Soil	9.72 cy
Bedding Material	10.03 cy
Riprap	8.67 cy
Soil-filled Riprap	6.67 cy
Planting Bench Soil	10.05 cy
Aggregate Base	9.01 cy
IWM	4 trees

3 Construction Day (Hours) 11

Source: USACE, 2022; ESA, 2021.

Overall, a peak of 214 trips per day is estimated. This level of traffic will cause a temporary significant and unavoidable impact to local traffic in the nearby neighborhoods and along local roads. However, the ARCF GRR FEIS/FEIR already determined that the overall project would cause a temporary significant and unavoidable impact to local traffic, so the impact of the Proposed Action is already covered in the ARCF GRR FEIS/FEIR.

~~Similar to the ARCF GRR FEIS/FEIR, Section 3.8.3 of the LAR Contract 1 SEA/SEIR determined that based on the anticipated 19.7 truck trips per day a significant unavoidable impact to transportation could not be avoided.~~ In addition, it was determined that with implementation of mitigation measures listed in Section 3.10.6 of the ARCF GRR FEIS/FEIR the impacts related to public safety hazards resulting and inadequate emergency access from construction activities will only be minor. Also implementing these mitigation measures will ensure that impacts related to substantial deterioration of the physical condition of nearby roadways will be minor. Implementing all these mitigation measures for the LAR Contract 3A Proposed Action will similarly decrease these impacts to a minor level for the LAR Contract 3A Proposed Action. ~~Contract 1 also determined that following the mitigation measures listed the in the ARCF GRR FEIS/FEIR, parking would not be limited because vehicles could be parked at staging areas or employees could be transported to the site. This is not applicable for LAR Contract 3A, since p~~Parking lots or paved areas in Sutter's Landing Park will be used as staging areas and for employee parking. This could decrease parking availability for those wanting to visit Sutter's Landing Park.

6-4 See Response 6-3.

6-5 The comment refers to other levee contract transportation and circulation effects and does not address the adequacy or content of the DSEIR/DSEA. Comment noted.

6-6 See Response 6-3.

6-7 Section 3.11, Transportation and Circulation in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA analyzes impacts and provides mitigation measures referred to in the comment to reduce effects of the Proposed Action to less than significant, except for impacts on roadway traffic flows on local roadways which concluded impacts on traffic as significant and unavoidable in the short term even with mitigation measures. The implementation of Mitigation Measures TR-1 and TR-2 will be enforced through USACE contract specifications, USACE review and approval of contractor submittals, USACE contractor monitoring, coordination with the City, neighborhood complaint monitoring and response, and City ordinance for the preparation and implementation of the Traffic Control and Road Maintenance Plan. Further, the

adoption of Findings and Statement of Overriding Considerations and approval of the Record of Decision for the ARCF GRR FEIS/FEIR documented that additional effective mitigation measures to reduce impacts on roadway traffic flow were not available to reduce impacts to less than significant. Further, there are no additional feasible mitigation measures available to reduce the significant and unavoidable impact on traffic flow. Therefore, adoption of the Findings and Statement of Overriding Consideration and approval of the Record of Decision meet the requirements of CEQA and NEPA, respectively, for the analysis of the Proposed Action's impacts on roadway traffic flow. Finally, because the Proposed Action is covered under the original 2016 ARCF GRR FEIS/FEIR, further additional analyses or ineffective or unfeasible mitigation measures are not required under CEQA or NEPA.

6-8 The comment suggests analyzing an additional ingress/egress location at the O'Sullivan Bridge at H Street. Upon review of the suggested alternate route of egress, the Project Partners found that the severity of traffic hazards and flows would more than likely be increased compared to the current egress of haul trucks from the River Park neighborhood based on experience of previous lane blockages on the O'Sullivan Bridge during the installation of levee cutoff walls in under the bridge abutments by USACE in 2015 which caused significant traffic delay to the west of the bridge into East Sacramento and to the east of the bridge into Sacramento County. Use of the suggested alternative route would require haul trucks to travel on the levee top for an additional distance between Glenn Hall Park and the O'Sullivan Bridge at H Street. This would potentially impact additional residential properties that are immediately adjacent to levee and would also potentially increase impacts to wildlife resources based on the increased haul truck traffic adjacent to the levee. Furthermore, using the O'Sullivan bridge at H Street would necessitate a full closure of the Glenn Hall Park river access due to public safety concerns associated with haul trucks traveling across the levee in this location. Additional analyses and/or alternative haul routes beyond those documented in the DSEIR/DSEA are not required under CEQA or NEPA (see Responses 6-2, 6-3, and 6-7). Further, as stated in CEQA Guidelines Section 15204 Focus of Review:

Comments are most helpful when they suggest additional specific alternatives or mitigation measures that would provide better ways to mitigate the significant environmental effects. At the same time reviewers should be aware that the adequacy of an EIR is determined in terms of what is reasonably feasible, in light of factors such as the magnitude of the project at issue, the severity of its likely environmental impacts, and the geographic scope of the project. CEQA does not require a lead agency to conduct every test or perform all research, study, and experimentation recommended or demanded by commentors. In addition, NEPA states that agencies are not required to undertake new scientific and technical research to inform the analyses in the DSEA. See also Responses 4-4 and 4-5 for information on pedestrian and bicycle detours.

Therefore, no additional analyses and/or alternative haul routes will be conducted for the Proposed Action.

6-9 Mitigation Measure TR-1 on pages 3-112 to 3-113 in Section 3.11, *Transportation and Circulation* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA states that the Traffic Control and Road Maintenance Plan will be prepared according to the requirements of City Code 12.20.030 to the satisfaction of the City Traffic Engineer. Section 3.11, *Transportation and Circulation* of the DSEIR/DSEA includes Mitigation Measures TR-1 and TR-2 which includes the majority of measures described in the comment. However, the comment requests unspecified "additional measures to mitigate all impacts from haul trucks." See Responses 6-2 and 6-7. USACE will coordinate with the City regarding the implementation of the transportation and circulation mitigation measures, including the Traffic Control and Road Maintenance Plan.

6-10 Documents for Contract 3A can be accessed on the www.sacleveeupgrades.com website as they become available. Comment noted.

Letter 7: Save the American River Association

7-1 The requested documents in the comment are available on the www.sacleveeupgrades.com website along with other documentation pertinent to informing agencies and the public on project details such as schedules, public notifications, and environmental and technical documents.

7-2 The comment is on language presented in Chapter 2, *Alternatives* of the DSEIR that describes the Proposed Action. Mitigation measures are presented in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR. Mitigation Measure VELB-1 on pages 3-80 to 3-84 in Section 3.6, *Special Status Species* includes details for mitigation of impacts on Valley elderberry longhorn beetle (VELB), including avoidance and minimization, and specifies the use of previously approved areas for the planting of elderberries within the American River Parkway to meet the compensatory mitigation ratios in the Biological Opinions (BO). As such, there is no deferral of mitigation as stated in the comment. See also the website for project details such as schedules, public notifications, and environmental and technical documents.

7-3 See Response 7-2 regarding the comment quoting language in Chapter 2, *Alternatives* that is not representative of detailed mitigation measures provided in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR. In addition, see Mitigation Measure SRA-1 on page 3-92 and Mitigation Measure FISH-3 on pages 3-88 to 3-90, respectively, related to creation of salmonid habitat. Table 3-4 on page 3-30 in Section 3.4, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR

has been revised to reflect the amount of on-site riparian habitat created as 3.88 acres. Of that amount, 3.39 acres is below the ordinary high water mark and considered shaded riverine aquatic (SRA) habitat (see page 3-30 of the DSEIR). Off-site mitigation locations for impacts to salmonid habitat occur in the Parkway and are in the process of development, including the Arden Pond Mitigation Site (previously approved under American River Contract 2). Other salmonid habitat mitigation sites within the Parkway are currently being assessed by the Project Partners, including a large site on the Lower American River that will be considered in future NEPA and CEQA documentation, as needed. Because the search for mitigation areas is ongoing, it is unknown at this time if off-site mitigation outside of the Parkway would be required. Further, as required in the USFWS and NMFS BO, mitigation sites within the Parkway is prioritized over off-site locations.

Mitigation measures for impacts on salmonids and riparian habitat meet the requirements of the USFWS BO (issued in March 2021) and the NMFS BO (issued in May 2021). Both BOs include Conservation Measures, including set mitigation ratios, Reasonable and Prudent Measures, and Terms and Conditions. The potential effects of the Proposed Action on the species and/or their critical habitat have been evaluated based on updated designs to ensure all aspects of the Proposed Action would not jeopardize the continued existence of the species or adversely modify their critical habitat. The BOs both concluded the Proposed Action would not jeopardize the continued existence of species or adversely modify critical habitat based on the proposed mitigation ratios.

Additionally, the habitat goals outlined in the BOs are consistent in general terms with the needs of other native species occurring in the Parkway, as described in the DSEIR Sections 3.4, 3.5 and 3.6 in Chapter 3, *Affected Environment and Environmental Consequences*. The mitigation measures and permit conditions to mitigate impacts on federally listed species provided in the DSEIR will also provide habitat to species that use the same habitats. Although it could take 10-15 years for riparian vegetation to become fully mature, the planted vegetation is expected to develop into a stand of shrubs and small trees within one or two years due to the rapid growth of early successional species (willows and Fremont cottonwood) in the planting mix. As described on pages 3-29 to 3-30 in Section 3.4, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR, large trees are being preserved to maintain as much canopy as feasible and non-native trees are being replaced with native trees, which typically provide a greater wildlife value than non-native species. As described in the DSEIR and the ARCF GRR EIS/EIR, the impact to vegetation and wildlife due to loss of riparian vegetation is significant and unavoidable in the short-term and less than significant in the long-term based on the mitigation ratio and replacement of habitat on-site and off-site.

Mitigation measures for impacts on salmonids and riparian habitat are included in Section 3.5, *Fisheries* (pages 3-40 to 3-41) and Section 3.6, *Special Status Species* (pages 3-79 to 3-92). As such, there is no deferral of mitigation as stated in the comment, and the mitigation ratios set forth in the BOs are appropriate.

7-4 Comment noted. The comment references issues beyond the scope of the Proposed Action and does not address the adequacy or content of the DSEIR/DSEA.

7-5 Comment noted. The comment references issues beyond the scope of the Proposed Action and does not address the adequacy or content of the DSEIR/DSEA.

7-6 Weed control, as described on page 2-22 in Chapter 2, *Alternatives* of the DSEIR, would consist of use of hand tools and mechanical means (e.g., weed eaters and mowing) on both the soil-filled slope and planting benches timed to foster native grass growth and reduce competition for light from exotic plants with the plantings and any volunteer native vegetation. Spot applications of herbicides registered for use in and near aquatic habitats may be utilized to address particularly invasive exotic species.

7-7 The staging area across from Site 1-1 that is not paved will be reseeded with native annual grasses, which will improve the site over the existing non-native species. Grasslands provide important wildlife habitat and are critical foraging habitat for several species that use the Parkway. This area was accounted for in the grassland impact calculations and on-site restoration efforts in Section 3.4, *Vegetation and Wildlife*. The recommendation to "restore" this staging area to riparian habitat does not address the adequacy or content of the DSEIR/DSEA.

7-8 The on-site habitat impacts and mitigation shown in Table 3-4 on page 3-30 in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR have been revised to reflect corrections to the acreages based on some refinements to the footprint of construction. The area (in acres) available for restoration at each off-site mitigation location in the Parkway is identified in the previously prepared DSEIRs as referenced in the text on pages 3-31 and 3-32. The text refers readers to Section 2.3.7, Mitigation Sites in Chapter, 2, Alternatives and the discussion in Section 3.6, *Special Status Species* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 1 Supplemental Environmental Assessment/Supplemental Environmental Impact Report and Special Status Species* (Chapter 3, *Affected Environment and Environmental Consequences*) and Section 2.3.3, *Mitigation Sites* in Chapter, 2, Alternatives and the discussion in Section 3.6, Special Status Species of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 2 Supplemental Environmental Impact Statement/Supplemental Environmental Impact Report.* Both of these referenced documents can be found at the www.sacleveeupgrades.com website. Although overall acreages proposed for restoration at each site are identified, detailed

planting plans identifying the number of each species of riparian habitat are in development at this time.

Off-site mitigation numbers included in the first paragraph on page 3-29 of DSEIR have been revised as follows to clarify and augment information on the impact and mitigation acreages due to minor modifications of the footprint of the Proposed Action:

> As described in Section 3.6, *Special Status Species*, riparian vegetation along the lower American River provides habitat for the valley elderberry longhorn beetle (VELB). The riparian corridor is also considered to be suitable stop-over habitat for the western yellow-billed cuckoo. To mitigate the impacts on habitat for these species, the Project Partners would create replacement riparian habitat at ratios for VELB and western yellow-billed cuckoo of 3:1 (acres replaced to acres affected) and 2:1, respectively. A total of ~~3.92~~ 3.58 acres of riparian habitat would be affected at Site 1-1 erosion protection areas and up to an additional ~~3.18~~ 0.67 acres in the construction access areas and haul routes. Some of the riparian habitat in access areas may be avoided, if feasible. To mitigate these impacts to Site 1-1, the Project Partners would create a total of ~~16.98~~ 10.23 acres of riparian habitat, which would include ~~4.21~~ 3.88 acres of on-site riparian habitat in the Project Area. In addition, ~~12.77~~ 6.35 acres of off-site riparian habitat would be created at off-site locations including, but not limited to Paradise Bend (formerly Glenn Hall), Rio Americano East and West, Rossmoor East and West, and at Arden Pond (see Section 3.6, *Special Status Species*). Further, the Proposed Action would affect ~~4.92~~ 2.34 acres of non-native grassland in the Project Area. Non-native grassland would be replaced on-site with ~~6.63~~ 2.31 acres of native grassland, which represents a much higher habitat value than non-native grassland. This area would be restored after construction by seeding native grassland plant species in this area.

Table 3-4 on page 3-30 in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR shows habitat impacts associated with the Proposed Action, including the "erosion protection" areas (where the Proposed Action is being constructed) as well temporary construction "access areas" impacts (e.g., access, haul routes, staging areas, and stockpile locations) that occur within the Parkway. Table 3-4 has been revised to reflect corrections to acreages as follows.

Please see Response 7-3 for information regarding temporal loss of riparian habitat.

TABLE 3-4
EXISTING AND RESTORED HABITAT AREAS IN SITE 1-1

Habitat Area	Habitat Type	Total Habitat Impacted[3,4]	Total Habitat Created[3]	Erosion Protection Area Above OHWM Habitat Impacted (acres)	Erosion Protection Area Above OHWM Habitat Created[1] (acres)	Erosion Protection Area Below OHWM Habitat Impacted (acres)[2]	Erosion Protection Area Below OHWM Habitat Created[1] (acres)	Access Areas Above OHWM Habitat Impacted (acres)	Access Areas Above OHWM Habitat Created (acres)	Access Areas Below OHWM Habitat Impacted (acres)	Access Areas Below OHWM Habitat Created (acres)
Riparian Woodland	Native woodland	2.34	2.57	0.19	0.13	0.60	2.16	0.77	0.02	0.78	0.26
	Non-native woodland	0.99	0.00	0.15	0.00	0.31	0.00	0.48	0.00	0.05	0.00
	Subtotal	3.33	2.57	0.34	0.13	0.91	2.16	1.25	0.02	0.83	0.26
Riparian scrub	Native scrub	3.53	1.64	1.00	0.30	1.50	1.21	0.74	0.04	0.29	0.09
	Non-native scrub	0.24	0	0.02	0.00	0.15	0.00	0.01	0.00	0.06	0.00
	Subtotal	3.77	1.64	1.02	0.30	1.65	1.21	0.75	0.04	0.36	0.09
Herbaceous	Native grassland	0.00	6.63	0.00	0.67	0.00	0.00	0.00	5.95	0.00	0.01
	Non-native grassland	4.92	0.00	0.09	0.00	0.00	0.00	4.90	0.00	0.00	0.00
	Subtotal	4.92	6.63	0.09	0.67	0.00	0.00	4.90	5.95	0.00	0.01
Other	Unvegetated	14.11	0.00	0.06	0.00	0.18	0.00	13.78	0.00	0.09	0.00
	Open water	4.49	0.00	0.00	0.00	2.31	0.00	0.00	0.00	2.18	0.00
	Subtotal	18.60	0.00	0.06	0.00	2.49	0.00	13.78	0.00	2.27	0.00
	Site 1-1 Total	**30.62**	**10.84**	**1.44**	**1.10**	**5.05**	**3.37**	**20.68**	**6.01**	**3.46**	**0.36**

Habitat Area	Habitat Type	Total Habitat Impacted	Total Habitat Created	Erosion Protection Area Above OHWM Habitat Impacted (acres)	Erosion Protection Area Above OHWM Habitat Created [1] (acres)	Erosion Protection Area Below OHWM Habitat Impacted (acres)[2]	Erosion Protection Area Below OHWM Habitat Created [1] (acres)	Access Areas Above OHWM Habitat Impacted (acres)	Access Areas Above OHWM Habitat Created (acres)	Access Areas Below OHWM Habitat Impacted (acres)[3]	Access Areas Below OHWM Habitat Created (acres)
Riparian Woodland	Native woodland	0.96	2.30	0.17	0.13	0.53	2.17	0.22	0.00	0.03	0.00
	Non-native woodland	0.50	0.00	0.12	0.00	0.27	0.00	0.11	0.00	0.00	0.00
	Subtotal	1.46	2.30	0.29	0.13	0.80	2.17	0.33	0.00	0.03	0.00
Riparian scrub	Native scrub	2.57	1.58	0.95	0.32	1.35	1.22	0.27	0.04	0.00	0.00
	Non-native scrub	0.22	0.00	0.02	0.00	0.16	0.00	0.00	0.00	0.04	0.00
	Subtotal	2.79	1.58	0.98	0.32	1.51	1.22	0.27	0.04	0.04	0.00
Herbaceous	Native grassland	0.00	2.31	0.00	1.31	0.00	0.00	0.00	1.00	0.00	0.00
	Non-native grassland	2.34	0.00	0.02	0.00	0.00	0.00	2.32	0.00	0.00	0.00
	Subtotal	2.34	2.31	0.02	1.31	0.00	0.00	2.32	1.00	0.00	0.00
Other	Unvegetated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open water	3.87	0.00	0.00	0.00	2.34	0.00	0.00	0.00	1.53	0.00
	Subtotal	3.87	0.00	0.00	0.00	2.34	0.00	0.00	0.00	1.53	0.00
Site 1-1 Total Habitat Impacts[4]		**10.46**	**6.19**	**1.29**	**1.76**	**4.65**	**3.39**	**2.92**	**1.04**	**1.61**	**0.00**
Non-habitat	Paved/Unpaved Access	10.80	0.00	0.06	0.00	0.19	0.00	10.49	0.00	0.06	0.00
	Non-Habitat Subtotal	10.80	0.00	0.06	0.00	0.19	0.00	10.49	0.00	0.06	0.00
Site 1-1 Total All Impacts		**21.26**	**6.19**	**1.35**	**1.76**	**4.84**	**3.39**	**13.41**	**1.04**	**1.67**	**0.00**

NOTE:

1 On-site created habitat acreage estimates are based on 65% project designs.

2 Impacts to riparian habitat below the OHWM includes forested wetlands and mitigation is included in the riparian mitigation numbers.

3 Totals in the text may vary slightly from the table due to rounding

4 Caltrans ~~will be~~ is conducting a project within ~~the same~~ overlapping footprints and removed vegetation in Site 1-1 ~~impacts presented here include impacts to the area Caltrans would conduct construction.~~ Therefore approximately 0.32 ~~51~~acre of riparian impacts were subtracted from the total impacts presented here.

7-9 See response 7-8. USACE is required by the BOs to report impacts and mitigation annually to USFWS and NMFS. USACE will also continue to work with the BPWG and/or Interagency Working Groups as directed by the BOs. USACE will share information from these reports with the Task Force.

As described in Mitigation Measures VEG-1 and VEG-2 on pages 3-34 and 3-35 in Section 3.4, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR, the on-site habitat would be created in accordance with the ARCF GRR Habitat Mitigation, Monitoring, and Adaptive Management Plan (HMMAMP), which includes conceptual mitigation proposals, performance standards, and adaptive management tasks.

Additionally, as described on pages 3-88 to 3-91, Mitigation Measures FISH-3 and FISH-4 in Section 3.6, *Special Status Species* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR, USACE is developing Long-Term Management Plans (LTMPs) as updates of the Habitat Mitigation Monitoring and Adaptive Management Plan (HMMAMP), in coordination with NMFS and USFWS to comply with conditions of the BOs. This effort includes the development of refined success criteria for on-site mitigation. Through ongoing Endangered Species Act Section 7 Consultation, the Project Partners will work with USFWS and NMFS to develop the LTMPs for on-site mitigation, which will include remedial actions to be taken in the event that on-site mitigation is compromised in the future. Remedial action may include, but is not limited to, replanting, creation of additional off-site habitat, or purchase of mitigation bank credits. Implementation of the LTMPs would include adaptive management in response to future potential impacts of launchable rock events on riparian and fish habitat, including mitigation ratios, success criteria, monitoring, and maintenance. As "living documents," the purpose of the LTMPs is to adapt mitigation measures to future hydrologic and geomorphic conditions within the flood system of the Proposed Action and other approved action areas authorized in the 2016 ARCF GRR FEIS/FEIR.

7-10 USACE is conducting an alternatives analysis of the mitigation sites for locations that could provide mitigation for impacts of the ARCF GRR EIS/EIR on salmonid habitat in the Parkway to be consistent with the process outlined in the Regional Park's *Draft Natural Resource Management Plan for the American River Parkway* (2021). When the analysis has been drafted it will be shared with the County. The analysis will consider the salmonid habitat values of various alternative mitigation sites in the American River Parkway and will also assess impacts of implementing the mitigation alternatives on habitats of native wildlife species (including birds) and recreation. The Arden Pond Mitigation Site construction has been placed on hold pending the outcome of the mitigation sites alternatives analysis and further coordination with the County and the Bank Protection Working Group. Mitigation for Contract 3A is not proposed at the Arden Pond Mitigation Site at this time.

7-11 Annual grasslands that will be disturbed are those grasslands identified to fall within the project footprint shown on Figure 3-1 on page 3-21 in Section 3.4, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA. These areas will be disturbed during construction activities within the footprint of the erosion protection areas and in access areas as shown in the herbaceous row of Table 3-4 on page 3-30. As stated in the DSEIR, grasslands within the Proposed Action footprint will be replanted and grasslands disturbed in staging and access areas will be reseeded with native grassland species for erosion control purposes. Success criteria would meet the requirements outlined in Section 3.3, *Hydrology and Water Quality* Mitigation Measure WQ-1 on page 3-17 of the DSEIR/DSEA as directed in the Stormwater Pollution Prevention Plan (SWPPP), which states:

> Install plant materials to stabilize cut and fill slopes and other disturbed areas once construction is complete. Plant materials could include an erosion control seed mixture or shrub and tree container stock. Temporary structural BMPs, such as sediment barriers, erosion control blankets, mulch, and mulch tackifier, could be installed as needed to stabilize disturbed areas until vegetation becomes established.

Restoration of disturbed grassland areas is for water quality purposed only and is not required as mitigation for listed species under the NMFS or the USFWS BOs. Therefore, there will be no success criteria, fencing, or ongoing maintenance once the SWPPP success criteria has been met. The SWPPP will be prepared consistent with the California Construction General Permit by the construction contractor prior to the start of construction.

Restoration plantings would be locally sourced from commercial native plant suppliers. The planting mix used onsite would include a number of native riparian and upland plants species identified in the American River Parkway Plan list of approved plants described on page 2-22 in Chapter 2, *Alternatives* of the DSEIR. In general, the planting mixes would target species common to the various native riparian forests, woodlands, and savanna found in the Parkway. The Proposed Action would not change the recreational access or use of the area at Site 1-1 once the construction and plantings have been established according to the success criteria described above for the grassland areas. Seed supplied must be approved by USACE and will require certification by the State for containing the correct species, germination rate, and weed seed content.

7-12 Riparian replacement habitat would create habitat connectivity through restoration of onsite habitat and by restoring other previously disturbed areas within the Parkway at mitigation ratios required by the BOs. Habitat connectivity would be accomplished by linking areas of existing mature habitats within the Parkway with the on- and off-site mitigation areas and increasing wildlife corridors. As described on page 3-56 in Section 3.6, *Special Status Species* in Chapter 3,

Affected Environment and Environmental Consequences of the DSEIR, VELB are particularly susceptible to adverse impacts from habitat fragmentation and require continuous patches of elderberry shrubs for mating, foraging, and dispersal.[1] Therefore, development of off-site mitigation sites for VELB habitat in disturbed areas will increase habitat connectivity and corridors.

Additionally, removal of non-native species, such as black locust, provides the opportunity to create more valuable wildlife habitat for VELB that require understory for dispersal. For example, black locust affects plant available soil nitrogen content as well as ground vegetation assembly, while the latter not only seems to be influenced by soil nutrient matter but also by the altered radiation intensity due to reduced shading under black locust. Thereby reducing the assemblage of shade loving species typically found in a riparian system.[2] Thus, removing black locust and increasing understory cover for VELB, as well as small birds and other insects increase the opportunity for habitat connectivity.

Cumulative impacts are addressed in Chapter 4, *Cumulative and Growth-Inducing Effects* of the DSEIR. Specifically, habitat impacts are described in Section 4.2.3, *Vegetation and Wildlife* on page 4-11 of the DSEIR concluded that he Proposed Action would not result in a considerable incremental contribution to a significant cumulative effect. The Two Rivers Trail Phase II project, the Business I-80 Bridge-widening, and the Contract 3A projects have overlapping footprints adjacent to the Business I-80 Bridge and the ARCF GRR LAR Contract 1 is located upstream of the Contract 3A project. Aside from the Proposed Action, all other projects have completed CEQA and/or NEPA environmental documentation. Cumulative impacts were evaluated, and mitigation measures were developed for the individual projects that would reduce each projects' impacts to less than significant and would not result in a considerable incremental contribution to a significant cumulative effect.

7-13 The location of the 111-acre mound referred to in the comment is not clearly identified, but is assumed to be the area within Sutter's Landing Regional Park that is managed by multiple entities, including the City of Sacramento and others, for the post-landfill closure maintenance and monitoring. The Proposed Action footprint and buffer area was developed to evaluate potential impacts on special status plants and animals in Chapter 3, *Affected Environment and Environmental Consequences*. Impacts of the Proposed Action on special status plants and animals were determined to be less than significant with implementation of mitigation measures. The Proposed Action would not prevent wildlife from entering or using said "mound" during construction or operation of the erosion protection at

[1] U.S. Fish and Wildlife Service. 2017. Framework for Assessing Impacts to the Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*). Sacramento, California. 28 pp.

[2] Kastler, B., and C Samimi. 2013. *The Impact of Robinia pseudoacacia on Ground Vegetation and Plant Nutrient Matter in Donau-Auen National Park.* In: 5th Symposium for Research in Protected areas: 10-12 June 2013. Mittersill: Hohe Tauren National Park Salzburg. Pp 245-352.

Site 1-1. Activities conducted within the area identified in the comment are beyond the scope of analysis in the DSEIR and the DSEA. Further, current regulatory requirements for the management of the area are limited to the activities to operate and maintain post-landfill closure plans, including the maintenance of fencing surrounding the area, and are not a part of the Proposed Action.

7-14 Comment noted. The Business I-80 Bridge widening project is not a part of the Proposed Action.

7-15 Comment noted. The final environmental documents will be posted on the USACE website (www.sacleveeupgrades.com), the CVFPB website (cvfpb.ca.gov), and the State Clearinghouse Website (ceqanet.opr.ca.gov).

Letter 8: Friends of Paradise Beach

8-1 The Mitigation Monitoring and Reporting Plan (MMRP) is prepared by the CVFPB and will be available upon completion and adoption after the Final SEIR is certified. The MMRP will be available on the California Office of Planning and Research CEQAnet Web Portal under the State Clearinghouse Number 2005072046 at the following address: https://ceqanet.opr.ca.gov. Updates to the MMRP are not expected and will not be posted on the website. Updates regarding the Proposed Action and mitigation are posted on the USACE www.sacleveeupgrades.com website.

8-2 As described on pages 2-7 and 2-8 in Chapter 2, *Alternatives* of the DSEIR, the design of the Proposed Action at Site 1-1 includes a launchable rock toe to protect against toe scour. Scour within a riverine system generally refers to the process of channel bed erosion, resulting in a local drop of the riverbed elevation. For flood risk management projects like the Proposed Action, identifying the potential for scour is a critical evaluation. The Proposed Action uses launchable rock at the toe of the riverbank to protect the adjacent levees from failure if scour occurs. As scour progresses into the channel bed during a flood event, the rock begins to fall (or "launch") into the resulting scour hole to cease further lateral migration of the riverbank landward. An accurate prediction of the scour depth was necessary to design the launchable volume component of the Proposed Action. Scour depths were calculated by USACE using models for the design flood flow rates of 115,000 cfs, 160,000 cfs, and 192,000 cfs.

Project features close to the areas that scour may fail and/or cease to function as designed. The launchable rock toe would generally be exposed (i.e., not buried) but would provide a degree of protection for the planting bench. The rock gradation and volume of launchable rock toe is sized for the design discharge of160,000 cfs; therefore, the only way this feature would launch is if the channel bed would scour adjacent to this feature at the design flow, causing material launch. The nature in which rock launches is a function of complex geotechnical

and hydraulic processes and the variability, or uncertainty, of the inputs used to inform the modeling analysis conducted by USACE. Due to this uncertainty, it is unlikely that launching of rock would occur uniformly throughout the Site 1-1, but rather be isolated to certain portions of Site 1-1. The likelihood of another event of similar magnitude and potential for rock launch is very small and, therefore, was not accounted for in the design. However, post-launch, the riverbank would have adequate revetment to ensure the levee system is stable during future events. Additionally, the rock would be sized so that after launching, it would be large enough to not move again under the same flood event. Modeling found that the Proposed Action would not increase the probability of future erosion and habitat impacts from launching of the rock toe; rather modeling results show the probability is improved with respect to existing conditions.

For example, two existing erosion protection sites are located adjacent to Site 1-1; called Old Site 2 and Old Site 3. These use a similar design to the Proposed Action that includes a planting bench and launchable rock toe. These sites were constructed post-1997 when a flow of 117,000 cfs occurred, and in 2017 a flow of 85,400 cfs was recorded. For these flood events both existing revetment locations did not require maintenance.

8-3 USACE will not restore or reconstruct Site 1-1 should flood flows result in launching of the rock toe unless specific levee stability criteria for safety identified in Response 8-2 is reached. If so, repairs would be made under separate emergency repair protocols and would include preparation of additional environmental documentation by the local maintaining agency.

8-4 As described on page 2-8 in Chapter 2, *Alternatives* of the DSEIR, the design of the Proposed Action includes placement of clean rock below the mean summer low and normal flows. The low point of the waterside top of the launchable rock toe would be at the median 800 cfs flow elevation. This would create shallow submerged habitat during most of the year and would place much of the launchable rock toe below water levels most of the year, thereby reducing the amount of visible rock. The planting bench above the launchable rock toe would be planted with native vegetation that will develop into shaded riverine aquatic habitat and provide shade on the portions of the launchable rock toe. Growth of vegetation to shade the rock toe would take approximately 5 to 10 years. Lower summer flows do not result in stagnant or still water over any of the rock toe surfaces and, therefore, will not result in raising the temperature of the water flowing over the rock toe (see flow values above). Furthermore, light-colored rock used at Site 1-1 would not absorb significantly more energy from sunlight than existing subsurface substrate conditions at Site 1-1. Based on these facts, USACE and CVFPB determined modeling of thermal effects was not required to analyze impacts of the Proposed Action. Please also see pages 3-38 to 3-41 in Section 3.5, *Fisheries* and pages 3-75 to 3-92 in Section 3.6, *Special Status Species* for information on the analysis of impacts on shaded riparian aquatic

habitat and special-status species using the Standard Assessment Methodology for quantifying pre- and post-project conditions and on-site mitigation.

8-5 The depths of planting bench soil would vary from approximately two to 10 feet in depth due to the design slope at Site 1-1. See Figure 2-7 on page 2-14 in Chapter 2, *Alternatives* for a typical cross section of the design with depths. The planting bench is designed to support the growth of a mix of riparian vegetation of varying sizes from shrubs and understory vegetation to large tall trees to provide canopy to provide shaded riverine aquatic habitat. In general, the planting mixes would target species common to the various native riparian forests, woodlands, and savanna found growing in the American River Parkway. The depth of the planting bench is adequate to support tree growth similar to the trees found growing in the planting benches built and planted immediately upstream and downstream of Site 1-1 in the early 2000s. See more details in the description of the on-site mitigation design on pages 2-19 to 2-25 in Chapter 2, *Alternatives* of the DSEIR.

8-6 Since publication of the DSEIR/DSEA, the decision has been made to include planting of native canopy trees to provide shading in the area near the bicycle trail. Based on concerns over visual access and physical security arising from dense vegetation planted near the bicycle trail, the plantings proposed are canopy shade trees with an understory of grass and forbs to provide shade and minimize concerns with visual access and security. Understory and midstory plantings would not be planted in this area and the tree plantings will be much more widely spaced than in other areas that are farther away from the trail. Larger container grown trees (e.g.,15-gallon size) would be planted in this area to provide shade in a shorter period of time. Only species native to the area would be used in the revegetation of the site, including levee banks. All areas of the site above the vegetation line along the low flow river channel would either be seeded or planted with native vegetation. See Response 7-11 regarding the quality of seed supplies used. Mowing and weeding will be conducted during the establishment period as described on page 2-22 in Chapter 2, *Alternatives* of the DSEIR. A qualified biologist is not required to be present for weeding or maintenance activities; however, the construction contractor would be required to provide oversight of employees to ensure protection of existing native vegetation. Installation and maintenance, including weed control, will be conducted by a contractor experienced with and specializing in planting and establishing native vegetation. The USACE contractor's staff will include either biologists, botanists, horticultural specialists, native plant specialists or landscape architects familiar with identifying native vegetation and establishing native vegetation. The contractors will ensure that crews will be familiar with native vegetation and non-native weed species. The following text on page 2-21 in Chapter 2, *Alternatives* of the DSEIR has been revised to reflect this change as follows:

~~To promote safety to bike path users, a~~ A 15-foot wide area adjacent to the bike trail would be planted ~~only~~ with native grasses, ~~and~~ forbs, and canopy trees. ~~This would also reduce vegetation control maintenance along the bike path.~~ To minimize restrictions on vegetation management methods along the bike path, elderberries would not be planted within 30 feet of the bike path.

8-7 See Response 8-6.

8-8 See Response 8-6.

8-9 See Response 8-6.

8-10 Contract specifications will require equipment to be clean and free of invasive species seeds. In addition, the temporary water pollution control plan for tree removal activities and plantings will include best management practices to prevent the spread of invasives to the extent technically practicable.

8-11 As stated on page 2-25 in Chapter 2, *Alternatives* of the DSEIR, maintenance activities would start immediately following completion of the initial planting. The following activities would be performed throughout the year although some would vary according to weather and season: general clean-up maintenance of the sites would occur throughout the year, clean-up maintenance would generally include picking up trash, vandalism repairs, and the removal of used planting accessories (e.g., bamboo stakes, ties, browse guards). The removal of browse guards would occur over the course of the first five to 10 years of vegetation establishment and maturation after USACE transfers operation and maintenance of Site 1-1 to the local maintaining agency, unless otherwise noted or jointly directed by the Project Partners.

8-12 The comment does not address the adequacy or content of the DSEIR/DSEA. As a note, the USACE contractor for Contract 1 has moved the fence away from the tree identified in the comment.

8-13 The comment does not address the adequacy or content of the DSEIR/DSEA. As a note, USACE has adjusted the public access identified in the comment.

8-14 As stated on page 3-4 in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR, impacts of the Proposed Action would result in short-term significant and unavoidable visual impacts but would be less than significant with mitigation once new vegetation has been established. Vegetation along Site 1-1 would be planted after construction is complete. Vegetation would be managed for up to 8 years until USFWS success criteria are met. established over the course of approximately five to 10 years which is considered a short-term period.

8-15 A tree survey was conducted that recorded the tree species, diameter at breast height, and general health of each tree. Upon final design the number and size of each species to be removed and protected will be determined by USACE. Please see pages 3-28 to 3-36 in Section 3.4, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA for analysis of impacts and mitigation measures for the loss of acreage of tree canopy. See also Response 7-8 for more information and revised calculation of acreage of impacts and mitigation.

8-16 As described in Sections 3.4, Vegetation and Wildlife (pages 3-29, 3-32, and 3-34) in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR, there will be no net loss of riparian habitat. Mitigation of riparian will occur at a minimum of 2:1 ratio. In areas where riparian habitat also includes elderberry shrubs, mitigation will be increased to a 3:1 ratio. It is also important to note that almost half (14.11 acres) of the 30.62 acres of impacts identified in Table 3-4 were unvegetated areas, which includes areas that are not suitable wildlife habitat such as paved roads and parking lots. Table 3-4 has been revised to reflect the new project footprint and to better reflect the habitat types. See Response 7-9.

8-17 On-site restoration within the proposed planting benches will maintain connectivity in the erosion protection areas. See Response 7-12 for additional information.

8-18 The Paradise Bend (formerly referred to as Glenn Hall), Rio Americano East and West, and Rossmoor East and West mitigation sites are consistent with mitigation required under the Clean Water Act Section 404 which prefers mitigation to occur within the same watershed as the impacted site where it is likely to replace lost functions and services and the Endangered Species Act Section 7 BOs, which require mitigation to occur in the Lower American River corridor when feasible. See Response 7-9 for additional information on off-site mitigation. The work being conducted under Contract 2 at the Campus Commons golf course includes revegetation with native vegetation and will provide increased habitat. See also Response 7-8 for more information on impacts and mitigation.

8-19 See Response 7-11.

8-20 See Response 8-6.

8-21 See Response 7-11.

8-22 See Response 7-9.

8-23 When conducting monitoring at VELB mitigation sites, the biologist will follow the protocols outlined in the USFWS 2017 VELB Framework.

8-24 Western pond turtles typically nest between May and August, but nesting season can start as early as March and end as late as November. Vegetation removal is anticipated to start outside of the turtle nesting season and construction will likely be underway prior to the start of nesting season, which should deter the elusive western pond turtles from entering the construction areas. Additionally, the Mitigation Measure TURTLE-1 on page 3-89 in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR requires a pre-construction survey by a qualified biologist (year-round), potential relocation of turtles (if any are found), and requires that if western pond turtles are found on land within the construction footprint during construction, the project activities would stop within 200 feet of the turtle and a qualified biologist would be notified immediately. Mitigation Measure TURTLE-1 also requires construction activities to halt if a western pond turtle nest is unintentionally uncovered in the vicinity of construction activities and contacting the California Department of Fish and Wildlife (CDFW) to determine the appropriate next steps. Monitoring required in Mitigation Measure TURTLE-1 meets CDFW standards and is required year-round monitoring.

8-25 Air quality emissions, including fugitive dust, was analyzed in Section 3.9, *Air Quality* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR. Mitigation Measures AQ-1 and AQ-2 on pages 3-127 and 3-128 in Section 3.9, *Air Quality* of the DSEIR includes requirements of the Sacramento Air Quality Management District for the control of fugitive dust emissions from construction activities to reduce impacts to less-than-significant levels. USACE will consider using the dust suppression methods suggested in the comment based on construction activities and site conditions.

8-26 See Response 8-25. Pages 4-13 and 4-14 in Chapter 4, *Cumulative and Growth-Inducing Effects* of the DSEIR provides analysis of cumulative air quality emissions using the list of projects provided in Section 4.1, *Cumulative Projects*. The projects used in the cumulative analysis include the Caltrans Business I-80 Bridge widening project and the City of Sacramento's Two Rivers Trail Phase II project.

On April 20, 2022, the Council on Environmental Quality (CEQ) issued a final rule to amend certain provisions of its regulations for NEPA (87 FR 23453), addressing the purpose and need of a proposed action, agency NEPA procedures for implementing CEQ's NEPA regulations, and the definition of "effects" (40 CFR 1508.1). These NEPA updates became operative as of May 20, 2022 (87 FR 23453). The definition of effects in the new rule includes cumulative effects. Prior to this date, cumulative effects were not required to be assessed in NEPA documents, consequently cumulative effects were not assessed in the DSEA. To meet the requirement of the new CEQ rule, a cumulative effects section has been prepared and added to the DSEA and the DSEA was recirculated for public review again on July 8, 2022.

8-27 See Response 8-26.

8-28 Chapter 4, *Cumulative and Growth-Inducing Effects* of the DSEIR provides an assessment of cumulative impacts. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects (CEQA Guidelines Sections 15065(a)(3)).

As noted in Response 8-26, the DSEIR uses a CEQA-recommended "List Approach" (CEQA Guidelines Section 13130), which involved developing a list of past, present, and probable future projects potentially producing related or cumulative impacts. The DSEIR included a comprehensive summary of all known, or likely anticipated, projects that existed at the time of publication. This list included other related projects that could result in impacts that could potentially interact with those of the Proposed Action and analyzed the cumulative impacts of implementing these projects within the cumulative geographical context described in Chapter 4 of the DSEIR. The data and analysis documented in the DSEIR support the significance conclusions reached in the chapter and meets the requirements stated in CEQA Guidelines Section 15130(b) which states, "The discussion of cumulative impacts shall reflect the severity of the impacts and their likelihood of occurrence, *but the discussion need not provide as great detail as is provided for the effects attributable to the project alone*."(italics added) In summary, the DSEIR was required to, and did, discuss the cumulative effects of the Proposed Action with other past, present, and reasonably foreseeable future projects.

8-29 Tree and habitat protection has been a main priority of the Project Partners in the design of Site 1-1. The proposed action has significantly reduced impacts to trees and habitat since the original 35% design. See Responses 8-15, 8-16, and 8-28 for more discussion of impacts on vegetation and mitigation measures.

8-30 The Project Partners have coordinated with the County so the Proposed Project will be consistent with the 2008 American River Parkway Plan and the Draft Natural Resource Management Plan as described on pages 3-19, 3-20, 3-27, and 3-34 in Section 3.4, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR. This was also described in Chapter 4, on page 4-68 of the DSEA. See Responses 4-7, 4-8, and 4-9 for additional details.

Letter 9: Sheri Opp

9-1 The comment does not address the adequacy or content of the DSEIR/DSEA. Comment noted.

9-2 Analysis of impacts and mitigation measures on vegetation, fisheries, and special status species is provided in Sections 3.4, Vegetation and Wildlife, 3.4, Fisheries, and 3.5, Special Status Species in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and in Sections 3.4, Vegetation and Wildlife, 3.4, Fisheries, and 3.5, Federal Status Species in Chapter 3 of the DSEA.

9-3 The comment does not address the adequacy or content of the DSEIR and the DSEA. Comment noted.

Letter 10: Stuart Reeves

10-1 The comment does not address the adequacy or content of the DSEIR and the DSEA. Comment noted.

10-2 Chapter 1, *Introduction* of the DSEIR and the DSEA provides a detailed description of the development of the Proposed Action and the purpose and need for the Proposed Action. Chapter 2, *Alternatives* of the DSEIR and the DSEA provides details on the locations of construction and the activities taken to remove vegetation prior to construction and replant vegetation through on- and off-site mitigation. Analysis of impacts and mitigation measures on vegetation, fisheries, and special status species is provided in Sections 3.4, *Vegetation and Wildlife*, 3.4, *Fisheries*, and 3.5, *Special Status Species* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and the DSEA. These analyses also include mitigation measures for VELB habitat.

10-3 The comment does not address the adequacy or content of the DSEIR and the DSEA. Comment noted.

10-4 Analysis of impacts and mitigation measures on vegetation, fisheries, and special status species is provided in Sections 3.4, Vegetation and Wildlife, 3.4, Fisheries, and 3.5, Special Status Species in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and the DSEA. These analyses also include mitigation measures for impacts on nesting birds (see Mitigation Measure BIRD-1).

Letter 11: Eric Milstein

11-1 The comment does not address the adequacy or content of the DSEIR and the DSEA. Notifications of detours for construction of the Proposed Action will be sent out at least two weeks prior to closure of pedestrian or bicycle trails as

described in Mitigation Measure REC-1 on page 3-157 in Section 3.12, *Recreation* Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR. In addition, the mitigation measure on page 3-55 in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEA states that notification of trail closures will be posted 14-days in advance and will be included in the USACE contract specifications.

Letter 12: Sheri Opp

12-1 The comment does not address the adequacy or content of the DSEIR and the DSEA.

12-2 The comment does not address the adequacy or content of the DSEIR and the DSEA.

12-3 The comment does not address the adequacy or content of the DSEIR and the DSEA.

12-4 The comment does not address the adequacy or content of the DSEIR and the DSEA. Barriers currently in place are not the action of the Project Partners.

Letter 13: Frederick Tornatore

13-1 The comment does not address the adequacy or content of the DSEIR and the DSEA.

13-2 The comment does not address the adequacy or content of the DSEIR and the DSEA. USACE will continue to enforce contract specifications for all levee erosion protection projects in order to meet the requirements of mitigation measures to meet SMAQMD's air quality emissions reductions for construction activities, including Mitigation Measure AQ-1 through AQ-5 described in Section 3.9, *Air Quality* in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and Mitigation Measures listed in Section 3.10 in the DSEA.

13-3 The comment does not address the adequacy or content of the DSEIR and the DSEA. See Response 13-2.

13-4 The comment does not address the adequacy or content of the DSEIR and the DSEA.

13-5 The comment does not address the adequacy or content of the DSEIR and the DSEA. The comment is on the construction activities under Contract 1, and construction trucks do not park on any residential streets within the designated construction haul routes under Contract 1. At times, trucks may be lined up

behind each other at stop signs while obeying traffic signs and signals and this could also occur under the Proposed Action for Contract 3A.

13-6 The comment does not address the adequacy or content of the DSEIR/DSEA. The USACE contract specifications will require hauling and all operations to follow the haul routes shown in the DSEIR and DSEA.

13-7 See Response 8-1.

Letter 14: Stuart Reeves

14-1 The comment does not address the adequacy or content of the DSEIR/DSEA. Please see Chapter 1, *Introduction* of the DSEIR/DSEA for the background and history of the ARCF project.

14-2 The comment does not address the adequacy or content of the DSEIR/DSEA. The flyer sent to neighborhood residences is an approximation on work limits for the erosion prevention at Site 1-1. Please see the detailed description and figures for the construction activities and limits in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR/DSEA.

14-3 The comment does not address the adequacy or content of the DSEIR/DSEA.

14-4 Comment noted. The comment does not address the adequacy or content of the DSEIR/DSEA. Please see the detailed description and figures for the construction activities and limits in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and the DSEA.

14-5 See Responses 8-14, 8-15, 8-16, 8-29, 9-2, 10-2, and 10-4.

Letter 15: Comments at Public Meeting on the DSEIR and DSEA on May 5, 2022

15-1 The comment does not address the adequacy or content of the DSEIR/DSEA.

15-2 See Responses 7-12, 8-26-and 8-28.

15-3 See Responses 8-2, 8-3, and 8-4.

15-4 Please see page 1-2 in Chapter 1, *Introduction* of the DSEIR/DSEA for the length of the construction at Site 1-1 under the Proposed Action.

15-5 The comment does not address the adequacy or content of the DSEIR/DSEA. Direct contact with USACE Public Affairs Office will be responded to in a timely manner in response to the comment.

15-6 See Response 8-6.

15-7 The comment does not address the adequacy or content of the DSEIR/DSEA. See Response 8-6.

15-8 See Response 8-1.

15-9 See Responses 8-2, 8-3, and 8-4.

15-10 See Responses 8-14, 8-15, 8-16, 8-29, 9-2, 10-2, and 10-4.

15-11 See Responses 8-14, 8-15, 8-16, 8-29, 9-2, 10-2, and 10-4.

15-12 The comment does not address the adequacy or content of the DSEIR/DSEA.

15-13 See Chapter 2, *Alternatives* for a description of the Proposed Action construction activities, including vegetation clearing. See also Responses 7-8, 7-9, 7-11, and 7-12 for more information on impacts and mitigation on vegetation removal.

15-14 The comment does not address the adequacy or content of the DSEIR/DSEA.

15-15 See Responses 8-2, 8-3, and 8-4.

15-16 The comment does not address the adequacy or content of the DSEIR/DSEA. All environmental documents are available at the USACE website www.sacleveeupgrades.com.

15-17 See Sections 3.4, Vegetation and Wildlife, 3.4, Fisheries, and 3.5, Special Status Species in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and the DSEA for analyses of the Proposed Action's impacts and mitigations on biological resources.

15-18 The comment does not address the adequacy or content of the DSEIR/DSEA. See Sections 3.4, Vegetation and Wildlife, 3.4, Fisheries, and 3.5, Special Status Species in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and the DSEA for analyses of the Proposed Action's impacts and mitigations on biological resources.

Responses to Comments on the Recirculated DSEA

The following responses are to comment letters that were received subsequent to the recirculation of the SEA and are included here to meet the purposes of NEPA and are related to some of the previous responses that are related to both the DSEIR and DSEA.

Letter 16: SMAQMD

16-1 Comment noted.

Letter 17: Friends of Paradise Beach

17-1 The cumulative analysis that was added to the recirculated DSEA meets the requirements of NEPA and does not change the responses to Letter 8 that are previously provided in this appendix. Letter 8 is the same letter that was submitted previously for the DSEIR/DSEA. See responses to Letter 8.

Letter 18: Save the American River Association

18-1 See Response 7-13.

18-2 Figure 2-3 on page 2-26 in Chapter 2, *Alternatives* in the recirculated DSEA shows a cross section of proposed erosion protection work under the Business I-80 bridge. The main difference between this part of the levee and the rest of the erosion protection work at Site 1-1 is that soil would be placed over the revetment elsewhere at the project site. Since the bridge shades out vegetation and limits what can grow in the area, vegetation planted under the bridge would likely fail. In addition, the baseline visual setting under the bridge where the rock blanket would be installed is currently a manmade feature because of the bridge piers and lack of vegetation due to the bridge shading the area. In addition, because the ditch and outfalls are manmade structural features that form baseline visual setting at these visible utilities, adding revetment for protection adjacent to the utilities would not significantly alter the visual resources from current conditions.

18-3 The ARCF GRR FEIS/FEIR did not analyze or estimate the area or tonnage of specific sites. The ARCF GRR FEIS/FEIR analyzed a total of 11 miles of erosion protection and 200 acres of construction areas for all work on the Lower American River. It also and estimated a total of one-million cubic yards of borrow needed for all project areas within the ARCF 2016 Project, including erosion, seepage, and stability projects on the Sacramento River.

18-4 Pages 2-24 and 2-26 in Chapter 2, *Alternatives* of the recirculated DSEA provides details on the features of the Proposed Action. Figure 1-4 on page 1-15 in Chapter 1, *Introduction* of the recirculated DSEA provides a boundary of the erosion protection area for the Proposed Action, including areas upstream of the Business I-80 Bridge. In addition, Figure 1-6 on page 1-16 in Chapter 1, *Introduction* of the recirculated DSEA provides a cross-sectional diagram of bank protection and Figure 1-7 on page 1-17 provides a different cross-sectional diagram of the launchable rock toe (the two erosion protection methods used upstream of the Business I-80 Bridge). Chapter 3, *Affected Environment and Environmental Consequences* and Chapter 4, *Cumulative* of the recirculated

DSEA provides adequate information for the analysis of impacts from the Proposed Action and cumulative impacts, respectively, on air quality, noise, visual resources, and hydrology and water quality, including from the erosion protection area upstream of the Business I-80 Bridge. Because the ARCF GRR FEIS/FEIR generally analyzed impacts on 11 miles of the Lower American River, much of the impacts of the Proposed Action were analyzed. Further, Chapter 3, *Affected Environment and Environmental Consequences* and Chapter 4, *Cumulative* of the recirculated DSEA discusses possible impacts that the ARCF GRR FEIS/FEIR might have missed, including the addition of work upstream of the Business I-80 Bridge.

18-5 The recirculated DSEA included analyses of impacts on transportation and circulation in Chapter 3, *Affected Environment and Environmental Consequences* and Chapter 4, *Cumulative*, including on parking. As stated on pages 3-59 and 3-60 in Chapter 3, *Affected Environment and Environmental Consequences* of the recirculated DSEA, the Proposed Action would result in a decrease in parking availability resulting in short-term impacts that would be reduced through mitigation measures included in the ARCF GRR FEIS/FEIR.

18-6 See Responses 6-3, 6-7, and 18-5.

18-7 Text changes have been made to Section 3.6, *Vegetation and Wildlife* in Chapter 3, *Affected Environment and Environmental Consequences* of the recirculated DSEA to address this comment as follows:

> The ARCF GRR FEIS/FEIR did not consider the impacts of project lighting on visual resources. During construction of the Proposed Action, staging areas will have security lighting to protect construction equipment and stored materials. This will result in new sources of nighttime light that could adversely affect wildlife. The mitigation measure already listed in Section 3.5.2 to shield or focus light, would also reduce the impact on wildlife from a temporary significant impact to a temporary but minor impact.

18-8 See Sections 3.4, Vegetation and Wildlife, 3.4, Fisheries, and 3.5, Special Status Species in Chapter 3, *Affected Environment and Environmental Consequences* of the DSEIR and the DSEA for analyses of the Proposed Action's impacts and mitigations on biological resources. See also Responses 7-3, 7-9, and 7-13.

Appendix H

Revisions to the Draft Supplemental Environmental Impact Report

This appendix presents corrections and revisions made to the Proposed Action's Draft Supplemental Environmental Impact Report (DSEIR). Revisions to the Draft Supplemental Environmental Assessment (DSEA) are provided in an appendix to the Final SEA. This appendix does not identify administrative changes to the DSEIR text which do not affect the analysis contained in the either document (for example, updates to the public review process or global changes made to correct specific terms). New text is indicated with a double underline and text to be deleted is reflected by a ~~strike through~~. Text changes are presented in the page order in which they appear in the DSEIR.

The changes identified below are clarifications or amplification of the information and analysis contained in the DSEIR. None of the changes identified below results in a significant impact that was not already identified in the DSEIR. Furthermore, none of the impacts identified in the DSEIR were found to be substantially more severe as the result of the following changes. For these reasons, recirculation of the DSEIR is not warranted.

Chapter 2, Alternatives

The following text on page 2-21 in Chapter 2, *Alternatives* of the DSEIR has been revised as follows:

> ~~To promote safety to bike path users, a~~ A 15-foot wide area adjacent to the bike trail would be planted ~~only~~ with native grasses, ~~and~~ forbs, and canopy trees. ~~This would also reduce vegetation control maintenance along the bike path.~~ To minimize restrictions on vegetation management methods along the bike path, elderberries would not be planted within 30 feet of the bike path.

Chapter 3, Affected Environment and Environmental Consequences

Off-site mitigation numbers included in the first paragraph on page 3-29 in Section 3.4, *Vegetation and Wildlife* of the DSEIR have been revised as follows to clarify and augment information on the impact and mitigation acreages due to minor modifications of the footprint of the Proposed Action:

> Under the Proposed Action, impacts from construction activities to install exposed and buried rock structures, and a planting bench at Site 1-1 would include the loss of ~~1.25~~ 1.09 acres of riparian woodland and ~~2.67~~ 2.48 acres of riparian scrub in the footprint of the Project Area (**Table 3-4**). Riparian habitat would also be damaged and removed within construction access areas and haul routes, resulting in removal of ~~2.08~~ 0.36 acre of riparian woodland and ~~1.11~~ 0.31 acre of riparian scrub habitat.
>
> The impacts of the Proposed Action on natural communities, including sensitive natural communities, and wildlife habitat would be significant. Implementation of Mitigation Measures VEG-1, VEG-2, VELB-1, and SRA-1 set forth in the

FEIS/FEIR and augmented herein to meet site-specific conditions would reduce this impact to a less-than-significant level, because of a combination of avoidance, minimization, and compensation by creation of on-site and off-site riparian habitat.

Anticipated Effects on Wildlife

As described in Section 3.6, *Special Status Species*, riparian vegetation along the lower American River provides habitat for the valley elderberry longhorn beetle (VELB). The riparian corridor is also considered to be suitable stop-over habitat for the western yellow-billed cuckoo. To mitigate the impacts on habitat for these species, the Project Partners would create replacement riparian habitat at ratios for VELB and western yellow-billed cuckoo of 3:1 (acres replaced to acres affected) and 2:1, respectively. A total of ~~3.92~~ 3.58 acres of riparian habitat would be affected at Site 1-1 erosion protection areas and up to an additional ~~3.18~~ 0.67 acres in the construction access areas and haul routes. Some of the riparian habitat in access areas may be avoided, if feasible. To mitigate these impacts to Site 1-1, the Project Partners would create a total of ~~16.98~~ 10.23 acres of riparian habitat, which would include ~~4.21~~ 3.88 acres of on-site riparian habitat in the Project Area. In addition, ~~12.77~~ 6.35 acres of off-site riparian habitat would be created at off-site locations including, but not limited to Paradise Bend (formerly Glenn Hall), Rio Americano East and West, Rossmoor East and West, and at Arden Pond (see Section 3.6, *Special Status Species*). Further, the Proposed Action would affect ~~4.92~~ 2.34 acres of non-native grassland in the Project Area. Non-native grassland would be replaced on-site with ~~6.63~~ 2.31 acres of native grassland, which represents a much higher habitat value than non-native grassland. This area would be restored after construction by seeding native grassland plant species in this area.

The following text has been changed on page 3-30 in Section 3.4, *Vegetation and Wildlife* of the DSEIR:

TABLE 3-4
EXISTING AND RESTORED HABITAT AREAS IN SITE 1-1

Habitat Area	Habitat Type	Total Habitat Impacted[3,4]	Total Habitat Created[3]	Erosion Protection Area Above OHWM Habitat Impacted (acres)	Erosion Protection Area Above OHWM Habitat Created[1] (acres)	Erosion Protection Area Below OHWM Habitat Impacted (acres)[2]	Erosion Protection Area Below OHWM Habitat Created[1] (acres)	Access Areas Above OHWM Habitat Impacted (acres)	Access Areas Above OHWM Habitat Created (acres)	Access Areas Below OHWM Habitat Impacted (acres)	Access Areas Below OHWM Habitat Created (acres)
Riparian Woodland	Native woodland	2.34	2.57	0.19	0.13	0.60	2.16	0.77	0.02	0.78	0.26
	Non-native woodland	0.99	0.00	0.15	0.00	0.31	0.00	0.48	0.00	0.05	0.00
	Subtotal	3.33	2.57	0.34	0.13	0.91	2.16	1.25	0.02	0.83	0.26
Riparian scrub	Native scrub	3.53	1.64	1.00	0.30	1.50	1.21	0.74	0.04	0.29	0.09
	Non-native scrub	0.24	0	0.02	0.00	0.15	0.00	0.01	0.00	0.06	0.00
	Subtotal	3.77	1.64	1.02	0.30	1.65	1.21	0.75	0.04	0.36	0.09
Herbaceous	Native grassland	0.00	6.63	0.00	0.67	0.00	0.00	0.00	5.95	0.00	0.01
	Non-native grassland	4.92	0.00	0.09	0.00	0.00	0.00	4.90	0.00	0.00	0.00
	Subtotal	4.92	6.63	0.09	0.67	0.00	0.00	4.90	5.95	0.00	0.01
Other	Unvegetated	14.11	0.00	0.06	0.00	0.18	0.00	13.78	0.00	0.09	0.00
	Open water	4.49	0.00	0.00	0.00	2.31	0.00	0.00	0.00	2.18	0.00
	Subtotal	18.60	0.00	0.06	0.00	2.49	0.00	13.78	0.00	2.27	0.00
	Site 1-1 Total	**30.62**	**10.84**	**1.44**	**1.10**	**5.05**	**3.37**	**20.68**	**6.01**	**3.46**	**0.36**

Habitat Area	Habitat Type	Total Habitat Impacted	Total Habitat Created	Erosion Protection Area Above OHWM Habitat Impacted (acres)	Erosion Protection Area Above OHWM Habitat Created [1] (acres)	Erosion Protection Area Below OHWM Habitat Impacted (acres)[2]	Erosion Protection Area Below OHWM Habitat Created [1] (acres)	Access Areas Above OHWM Habitat Impacted (acres)	Access Areas Above OHWM Habitat Created (acres)	Access Areas Below OHWM Habitat Impacted (acres)[3]	Access Areas Below OHWM Habitat Created (acres)
Riparian Woodland	Native woodland	0.96	2.30	0.17	0.13	0.53	2.17	0.22	0.00	0.03	0.00
	Non-native woodland	0.50	0.00	0.12	0.00	0.27	0.00	0.11	0.00	0.00	0.00
	Subtotal	1.46	2.30	0.29	0.13	0.80	2.17	0.33	0.00	0.03	0.00
Riparian scrub	Native scrub	2.57	1.58	0.95	0.32	1.35	1.22	0.27	0.04	0.00	0.00
	Non-native scrub	0.22	0.00	0.02	0.00	0.16	0.00	0.00	0.00	0.04	0.00
	Subtotal	2.79	1.58	0.98	0.32	1.51	1.22	0.27	0.04	0.04	0.00
Herbaceous	Native grassland	0.00	2.31	0.00	1.31	0.00	0.00	0.00	1.00	0.00	0.00
	Non-native grassland	2.34	0.00	0.02	0.00	0.00	0.00	2.32	0.00	0.00	0.00
	Subtotal	2.34	2.31	0.02	1.31	0.00	0.00	2.32	1.00	0.00	0.00
Other	Unvegetated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open water	3.87	0.00	0.00	0.00	2.34	0.00	0.00	0.00	1.53	0.00
	Subtotal	3.87	0.00	0.00	0.00	2.34	0.00	0.00	0.00	1.53	0.00
Site 1-1 Total Habitat Impacts[4]		**10.46**	**6.19**	**1.29**	**1.76**	**4.65**	**3.39**	**2.92**	**1.04**	**1.61**	**0.00**
Non-habitat	Paved/Unpaved Access	10.80	0.00	0.06	0.00	0.19	0.00	10.49	0.00	0.06	0.00
	Non-Habitat Subtotal	10.80	0.00	0.06	0.00	0.19	0.00	10.49	0.00	0.06	0.00
Site 1-1 Total All Impacts		**21.26**	**6.19**	**1.35**	**1.76**	**4.84**	**3.39**	**13.41**	**1.04**	**1.67**	**0.00**

NOTE:

1 On-site created habitat acreage estimates are based on 65% project designs.

2 Impacts to riparian habitat below the OHWM includes forested wetlands and mitigation is included in the riparian mitigation numbers.

3 Totals in the text may vary slightly from the table due to rounding

4 Caltrans ~~will be~~ is conducting a project within ~~the same~~ overlapping footprints and removed vegetation in Site 1-1 ~~impacts presented here include impacts to the area Caltrans would conduct construction.~~ Therefore approximately 0.32 ~~51~~acre of riparian impacts were subtracted from the total impacts presented here.

The following text has been changed on pages 3-31 to 3-32 in Section 3.4, *Vegetation and Wildlife* of the DSEIR has been revised as follows:

> Riparian habitat present within Subreach 1 is considered a sensitive natural community. A total of ~~4.21~~ 3.88 acres would be created within Site 1-1 and ~~12.77~~ 6.35 acres would be created off-site (for a description of the Paradise Bend/Glenn Hall Park mitigation site and the two Rio Americano mitigation sites, the two Rossmoor mitigation sites and Arden Pond mitigation site see Chapter 2, *Project Description* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 1 Supplemental Environmental Assessment/Supplemental Environmental Impact Report* and the *Project Description* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 2 Supplemental Environmental Impact Statement/Supplemental Environmental Impact Report* to address impacts on VELB and western yellow-billed cuckoo habitat at a 3:1 and 2:1 ratio, respectively. The Proposed Action would result in a net increase in riparian woodland (including forested wetland) acreage within and near the Project Area. State and Federally-protected wetlands and other jurisdictional waters are also considered to be protected sensitive natural communities and have been included in the impacts and mitigation described above in this paragraph. Based on the design of the Proposed Action, riparian habitat (including forested wetland) impacted below the OHWM (~~3.38~~ 2.39 acres, see Table 3-4) would be replaced at a ratio of 2:1 for a total of ~~6.72~~ 4.78~~[21]~~ acres of riparian habitat to be located below the OHWM. Additional off-site riparian habitat would be created at mitigation sites in the American River Parkway that would be selected and designed in coordination with NMFS and USFWS as part of the consultation under the Endangered Species Act and that would be located below the OHWM (see SRA-1 for additional discussion). No additional mitigation for impacts on jurisdictional waters is proposed. Given the above considerations, the impact of the project on sensitive natural communities, including riparian habitat and wetlands and other waters under State and Federal jurisdiction, would be less than significant with mitigation.

~~[21] A total of 3.77 acres of riparian habitat is impacted below the OHWM; however, 0.39 acres is elderberry shrub canopy, which is mitigated at the higher 3:1 ratio. Thus, only 3.36 acres will be mitigated at the 2:1 ratio.~~

The following text has been changed on page 3-34 to 3-35 in Section 3.4, *Vegetation and Wildlife* of the DSEIR has been revised as follows:

> Within the Project Area, Project Partners have designated Erosion Protection and Work Area construction zones. In Work Area zones, some or all the vegetation would be removed for site access, haul routes, and staging areas. Then, upon completion of the project, work zones would be seeded with native grassland species. Erosion Protection construction zones would require that most riparian vegetation be removed, but riparian vegetation would be planted at a planting bench and within the site on buried revetment or among the revetment. To

compensate for the temporal loss of riparian vegetation and SRA habitat, creation of off-site habitat would also occur at sites that would be protected in perpetuity. These sites would include a mitigation site in the American River Parkway that would be selected and designed in coordination with NMFS and USFWS as part of the consultation under the Endangered Species Act. In addition, riparian habitat would be planted at previously-designated and approved elderberry shrub mitigation areas (the Paradise Bend/Glenn Hall Park mitigation site and the two Rio Americano mitigation sites described in Chapter 2, *Project Description* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 1 Supplemental Environmental Assessment/ Supplemental Environmental Impact Report*) and the two Rossmoor mitigation sites and Arden Pond mitigation site described in Chapter 2, *Project Description* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 2 Supplemental Environmental Impact Statement/Supplemental Environmental Impact Report*.

The following text has been changed on pages 3-35 to 3-36 in Section 3.4, *Vegetation and Wildlife* of the DSEIR has been revised as follows:

In summary, to address the impacts on the ~~7.10~~ 4.25 acres of riparian habitat (including forested wetland below OHWM) and VELB habitat that would be affected by the Proposed Action at Site 1-1, replacement riparian habitat would be created, including ~~4.21~~ 3.88 acres on-site and ~~12.77~~ 6.35 acres off-site. Implementing this compensatory mitigation would reduce long-term impacts on any natural community or wildlife habitat within the Project Area to a less-than-significant level by creating on-site and off-site riparian habitat. Short-term impacts on vegetation and wildlife habitat would remain significant and unavoidable because it would take several years (e.g., 10 to 15 years) for riparian habitat to become fully mature and provide the same values as existing riparian habitat.

The following text has been added on page 3-36 in Section 3.4, *Vegetation and Wildlife* of the DSEIR to clarify mitigation of impacts of lighting on wildlife as follows:

The ARCF GRR FEIS/FEIR did not consider the impacts of project lighting on visual resources. During construction of the Proposed Action, staging areas will have security lighting to protect construction equipment and stored materials. This will result in new sources of nighttime light that could impact wildlife. The mitigation measure already listed on page 3-36 in Section 3.5, *Visual Resources* to shield or direct light, would also reduce the impact on wildlife from a temporary significant impact to a temporary adverse or minor impact.

The following text has been changed on page 3-38 in Section 3.5, *Fisheries* of the DSEIR has been revised as follows:

Of the 3,344 linear feet within the construction footprint for Site 1-1, an estimated ~~8.41~~ 7.03 acres of SRA and benthic habitats would be affected by construction

activities. This estimate was calculated using the slope area approach. The slope area calculation involves measuring the levee slope below the waterline (in this case the OHWM/18,500 cfs line) and the natural benthic substrate out to the limit of effect.

The following text has been changed on page 3-67, 3-68 and 3-69 in Section 3.6, *Special Status Species* of the DSEIR has been revised as follows:

Valley Elderberry Longhorn Beetle

Construction would directly affect ~~3.24~~ 1.71 acres of VELB habitat at Site 1-1. These areas include the shrub and the riparian habitat within 25 meters (82 feet), which is considered VELB habitat. The impact of this loss of Federally listed species habitat would be significant. The impact would be reduced to a less-than-significant level with implementation of Mitigation Measure VELB-1, which would include creating ~~9.72~~ 5.13 acres of off-site VELB habitat. The affected shrubs would be transplanted to the approved elderberry shrub mitigation sites: Paradise Bend/Glenn Hall, Rio Americano West, Rio Americano East and the Rossmoor East Mitigation Sites or other elderberry shrub mitigation sites in the LAR as described in Chapter 2, *Project Description* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 1 Supplemental Environmental Assessment/ Supplemental Environmental Impact Report* and Chapter 2, *Project Description* of the *American River Watershed Common Features, Water Resources Development Act of 2016, American River Contract 2 Supplemental Environmental Impact Statement/Supplemental Environmental Impact Report*.

Western Yellow-Billed Cuckoo

As described in the Proposed Action effects discussion in Section 3.8.4 (page 167) of the ARCF GRR FEIS/FEIR, the Project Area is unlikely to support nesting western yellow-billed cuckoos because the riparian corridor is narrow, patchy, and frequented by park visitors. Construction of Site 1-1would result in the loss of ~~7.10~~ 4.25 acres of riparian habitat (Table 3-4). This loss of habitat would be a significant impact. With implementation of Mitigation Measures VELB-1, VEG-1, VEG-2, and BIRD-1, the impact would be reduced to a less-than-significant level.

Swainson's Hawk

As described in Section 3.8.4 (page 168) of the ARCF GRR FEIS/FEIR, the Project Area possesses suitable roosting and nesting habitat for Swainson's hawk. Project construction could affect the riparian habitat used by this species for roosting and nesting. Although the removal of riparian trees would be mitigated through compensatory plantings, there would be a temporal loss of habitat until the newly planted trees could become established and mature. Long-term effects on Swainson's hawk nesting habitat could result from the loss of riparian habitat in the Project Area as follows: ~~3.92~~ 1.09 acres at Site 1-1 for erosion protection

efforts, and ~~3.18~~ 0.36 acre~~s~~ at Site 1-1 of riparian woodland habitat within the access areas, haul routes, and staging areas. This would be a significant impact on Swainson's hawk nesting habitat.

The following text has been changed on page 3-81 in Section 3.6, *Special Status Species* of the DSEIR has been revised as follows:

Transplanting

Affected elderberry shrubs with one or more stems measuring 1.0 inch or greater in diameter at ground level that could feasibly be transplanted in accordance with the 2017 Framework must be transplanted to a mitigation site as approved by USFWS. Elderberry compensation would be planted in the Parkway, but outside of the Project Area (off-site) because of construction timing. Project Partners would find areas in the Lower American River Parkway to either expand existing compensation areas or provide connectivity between areas of conserved VELB habitat. Sites within the Lower American River Parkway would be coordinated with the Sacramento County Department of Regional Parks and USFWS during the design phase of the Project. Sites would be designed and developed in accordance with the criteria listed below before any effects on VELB habitat.

For impacts on VELB habitat at Site 1-1 (~~3.24~~ 1.71 acres), the Project Partners would mitigate at a 3:1 ratio and create a total of ~~9.72~~ 5.13 acres of VELB and riparian habitat off-site. The elderberry shrubs that would be affected would be transplanted to the Paradise Bend/Glenn Hall, Rio Americano East and West Mitigation Sites, and the Rossmoor East Site. These sites would be used for the transplantation and compensation for impacts on elderberry shrubs as described in the *Compensatory Mitigation* section below. The mitigation site acreage represents the acreage of woody vegetation planted for mitigation and does not include existing native woody vegetation within the mitigation sites boundaries, nor native grass plantings that form a 15-foot wide buffer around most of the perimeter of the woody plantings.

The following text has been changed on pages 3-123 to 3-124 in Section 3.9, *Air Quality* of the DSEIR has been revised as follows:

As discussed above in Section 3.9.2.1, *Methodology*, construction emissions were evaluated with the assumption that haul trucks would have a 10-cy capacity. Total maximum daily emissions for 2022 and 2023 were estimated for ROG, NOX, CO, PM10, and PM2.5 and evaluated against SMAQMD's thresholds and presented in **Table 3-12A** and **Table 3-12B** for daily and annual emissions.

As shown in Table 3-12A, construction-related emissions under the Proposed Action, which includes reductions associated with project commitments of higher tiered engines, would exceed SMAQMD's mass daily emission threshold for NOX, PM10, and PM2.5 in 2023 and would exceed the mass daily emission

threshold for PM10 and PM2.5 in 2022 and 2023. USACE would be required to pay an off-site mitigation fee for NOX emissions to reduce the impact to a less-than-significant level. As shown in Table 3-12B, construction-related emissions from the Proposed Action would not exceed SMAQMD's annual emissions de minimus levels.

TABLE 3-12A
ARCF 2016 PROJECT, AMERICAN RIVER CONTRACT 3A CONSTRUCTION DAILY EMISSIONS

Maximum Construction Activity	Maximum Daily ROG Emissions (lb/day)[1]	Maximum Daily NO_X Emissions (lb/day)[1]	Maximum Daily CO Emissions (lb/day)[1]	Maximum Daily PM_{10} Emissions (lb/day)[1]	Maximum Daily $PM_{2.5}$ Emissions (lb/day)[1]
2022	<1	<1	<1	<1	<1
Exceed Threshold?	N/A	No	N/A	Yes	Yes
2023	4	176	20	47	6
Exceed Threshold?	N/A	Yes	N/A	Yes	Yes
CEQA Threshold	N/A	85	N/A	0[2]	0[2]

NOTES:

1 Estimates represent a worst-case construction conditions which was assumed to be from July to October 2022. For annual emissions and a comparison to Federal *de minimis* levels, see Appendix D.

2 SMAQMD has a zero pound per day threshold of PM, when best available controls are not implemented but threshold with incorporated controls are 80 lb/day for PM_{10} and 82 lb/day for $PM_{2.5}$

SOURCE: Modeling conducted by Ascent Environmental in 2021.

TABLE 3-12B
ARCF 2016 PROJECT, AMERICAN RIVER CONTRACT 3A CONSTRUCTION ANNUAL EMISSIONS

Maximum Construction Activity	ROG Emissions (tons/year)	NO_X Emissions (tons/year)	CO Emissions (tons/year)	PM_{10} Emissions (tons/year)	$PM_{2.5}$ Emissions (tons/year)
2022	≤1	≤1	≤1	≤1	≤1
Exceed De Minimis Level?	No	No	No	No	No
2023	0.27	9.76	3.22	≤1	≤1
Exceed De Minimis Level?	No	No	No	No	No
De Minimis Level	50[1]	50[1]	100	100[2]	100[3]

NOTES:

1 VOCs/NOx levels for serious nonattainment areas for ozone

2 PM_{10} levels for all maintenance areas

3 $PM_{2.5}$ (2012) standard in attainment; thus higher de minimis level for moderate nonattainment areas used.

SOURCES:

EPA. 2021. De Minimis Tables. General Conformity. Last updated on July 22, 2021. Available: https://www.epa.gov/general-conformity/de-minimis-tables. Accessed: June 20, 2022.

EPA. 2022a. Nonattainment Areas for Criteria Air Pollutants (Green Book). Green Book 8-Hour Ozone (2015) Area Information. 8-Hour Ozone (2015) Designated State/Area/County Report. Last updated on May 21, 2022. Available: https://www3.epa.gov/airquality/greenbook/jbcs.html#CA. Accessed: June 20, 2022.

EPA. 2022b.Nonattainment Areas for Criteria Air Pollutants (Green Book). Green Book PM-10 (1987) Area Information. PM-10 (1987) Designated Area State/Area/County Report. Last updated on May 31, 2022. Available: https://www3.epa.gov/airquality/greenbook/pbcs.html#CA. Accessed: June 20, 2022.

EPA. 2022c.Nonattainment Areas for Criteria Air Pollutants (Green Book). Green Book PM-2.5 (2012) Area Information. PM-2.5 (2012) Designated Area State/Area/County Report. Last updated on May 31, 2022. Available: https://www3.epa.gov/airquality/greenbook/pbcs.html#CA. Accessed: June 20, 2022.

The following text on page 3-129 in Section 3.9, *Air Quality* of the DEIR has been revised as follows:

> **Mitigation Measure AQ-5: Pay NO_X Mitigation Fee to SMAQMD.** ~~Set in July 1, 2017 with no changes since writing this Draft Supplemental EIR (i.e., 2021), the mitigation fee rate is $30,000 per ton of emissions.~~[95] The contractor would pay the appropriate SMAQMD-required NO_X mitigation fee to offset the project's NOX emissions when they exceed SMAQMD's threshold of 85 lb/day only if USACE does not pay the mitigation fee through the General Conformity Determination during the year of construction. The NO_X mitigation fee would apply to all emissions from the Proposed Action: on-road (on- and off-site), off-road, portable, stationary equipment, and vehicles.

The following text on page 3-142 in Section 3.10, *Greenhouse Gas Emissions and Energy Consumption* of the DEIR has been revised as follows:

- Purchase carbon offsets for program-wide GHG emissions (direct plus indirect emissions from on-road haul trucks plus commute vehicles) that meet the criteria of being real, quantifiable, permanent, verifiable, enforceable, and additional, consistent with the standards set forth in Health and Safety Code section 38562, subdivisions (d)(1) and (d)(2). Such credits shall be based on protocols approved by the California Air Resources Board (CARB), consistent with Section 95972 of Title 17 of the California Code of Regulations, and shall not allow the use of offset projects originating outside of California, except to the extent that the quality of the offsets, and their sufficiency under the standards set forth herein, can be verified by USACE or the Sacramento Metropolitan Air Quality Management District (SMAQMD). Such credits must be purchased through one of the following: (i) a CARB-approved registry, such as the Climate Action Reserve, the American Carbon Registry, and the Verified Carbon Standard; (ii) any registry approved by CARB to act as a registry under the California Cap and Trade program; or (iii) through the California Air Pollution Control Officers Association's (CAPCOA's) GHG Rx and SMAQMD. Purchase of carbon offsets shall be sufficient to reduce the Proposed Action's GHG emissions to below SMAQMD's significance thresholds applicable ~~prior to the start of construction~~ through a one-time purchase of credits, ~~according to SMAQMD's timing requirements,~~ based on the emissions estimates in this Supplemental EIR or on an ongoing basis based on monthly emissions estimates that would be prepared in accordance with procedures established by Measure AQ-3.

Appendix I
Public Involvement

This appendix provides information on public involvement for the Draft Supplemental EIR and Draft Supplemental Environmental Assessment (DSEIR/DSEA). The DSEIR/DSEA was circulated on April 13, 2022 for a 45-day public review period ending on May 27, 2022. A notice of availability was published in the Sacramento Bee on April 13, 2022. An electronic version of the document was posted to the USACE website (http://www.saleveeupgrades.com) and electronic copies were made available at the Sacramento Central Library, located at 828 I Street, Sacramento, CA, and electronically at the Central Valley Flood Protection Board website at http://cvfpb.ca.gov/public-notices/. Hard copies were made available by request.

USACE posted information about the Proposed Action on its website at www.sacleveeupgrades.com, which included summarized information on the Proposed Action, an electronic copy of the DSEIR/DSEA, a Frequently Asked Questions document prepared by the local sponsor for the project, and instructions as to how to participate in the virtual public meeting held on May 5, 2022. The website was subsequently updated to include the presentation slides used during the public meeting.

A robust public outreach was conducted about the nature and location of the proposed erosion work associated with this draft supplemental document. The neighborhoods directly adjacent to future erosion work and along the proposed haul routes were noticed about the public meeting and where to send comments. A total of 2,184 direct mail notices were sent. The notices contained summary information about the Proposed Action, information about the virtual public meeting, and included a link to the USACE website. A Notice of Availability was sent to 141 interested parties, public agencies, and elected officials regarding the publication of the DSEIR/DSEA and the virtual public meeting.

A total of 34 people attended the virtual public meeting, comments were solicited during the meeting and responded to in Appendix G of this Final Supplemental EIR and Final Supplemental EA (FSEIR/FSEA).

A total of 18 comments were received during the public meeting. In addition, a total of 102 comments were received by letter and email on the DSEIR/DSEA. A total of 17 letters and emails were received. Letters and responses are included in Appendix I of this FSEIR/FSEA. The DSEA was recirculated on July 8, 2022 and sent to 182 interested parties for comment during a 15-day review period that ended on July 23, 2022. A Notice of Availability was published by USACE on July 8, 2022 and posted on the USACE website (www.sacleveeupgrades.com). Letters and responses on the Recirculated DSEA (RDSEA) are also included in Appendix G of this FSEIR/FSEA. A total of 10 comments were received by letter and email on the RDSEA.

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Appendix J

Clean Water Act Section 404(b)(1) Consistency Determination

Appendix J
Clean Water Act Section 404(b)(1) Consistency Determination

The Sacramento Metropolitan area is one of the most at-risk areas for flooding in the United States. The purpose of the American River Watershed Common Features project (ARCF) is to improve the existing infrastructure to reduce flood risk along the American and Sacramento Rivers. The *ARCF General Reevaluation Report (GRR) Final Environmental Impact Statement/Environmental Impact Report* (FEIS/FEIR) previously analyzed several alternatives, including a No Action/No Project Alternative and two action alternatives. Lower American River (LAR) Contract 3A, a component of the preferred alternative, includes work below the ordinary high-water mark (OHWM) of the American River. This work would include placing launchable toe rock to protect the levee from erosion and placement of a planting bench behind the launchable toe to provide fish habitat.

The basis of this consistency analysis is an evaluation of the consistency of the Proposed Action, and alternatives to the Proposed Action (as described below and in the LAR Contract 3A Supplemental Environmental Assessment (SEA)), with the determinations of the *Section 404(b)(1) Water Quality Evaluation American River Common Features General Reevaluation Report Sacramento, California* (GRR 404(b)(1)) evaluation and the applicability of the findings of the ARCF GRR 404(b)(1) evaluation to the Proposed Action. The source materials are:

- USACE (2015) *Section 404(b)(1) Water Quality Evaluation American River Common Features General Reevaluation Report* (GRR 404(b)(1)). Appendix E in USACE (2016) *ARCF General Reevaluation Report Final Environmental Impact Statement/Environmental Impact Report*. This Clean Water Act Section 404(b)(1) evaluation first describes the alternatives considered, including the No Action and the Proposed Action. The differences between the alternatives are associated with the type of erosion protection, whether it be through construction of a launchable rock filled trench, bank protection, or a combination of the two. The alternatives description section also provides information on why certain alternatives were not selected, based on impacts to Waters of the U.S. and practicability factors. Lastly, the Proposed Action is compared to the determinations and findings GRR 404(b)(1) to demonstrate how the Proposed Action is consistent with those findings and is the Least Environmentally Damaging Practicable Alternative (LEDPA).

- USACE (2016). *American River Watershed General Reevaluation Report, Final Environmental Impact Statement / Environmental Impact Report.* May. Sacramento, California. State Clearing House Number 2005072046.

Scope of Analysis

Instead of only using bank protection or launchable trench along the levee, a launchable toe will be used with bank protection. In addition, the launchable toe will support a planting bench instead of a planting berm and will contain tie backs to limit the extend of erosion. In addition, Figure 2 of the GRR (404)(b)(1) only includes a small section of erosion protection in the area proposed for LAR Contract 3A. However, the additional erosion protection does not increase the overall 11 miles of erosion protection discussed on page 10 of the GRR (404)(b)(1).

Water Dependency

Use of bank protection and launchable toe is water dependent as revetment is needed to be placed on the riverbank to prevent future erosion from occurring on the riverbank. Use of launchable trench would have allowed work to be outside of the waterway and was considered. Launchable trench requires an overbank area. Because the LAR Contract 3A footprint lacks an overbank area or the overbank is too constrained in terms of available space, use of launchable trench is not an option for erosion protection at the LAR Contract 3A project site.

Alternatives

Alternative 1: ARCF GRR

The ARCF GRR FEIS/FEIR considered a total of 11 miles of erosion protection along the LAR (Figure 1) and analyzed launchable trench and bank protection (Figure 2) as erosion protection options. This alternative was assessed in the GRR 404(b)(1).

Alternative 1 (Proposed Action): Launchable Toe and Planting Benches

The LAR sites have been shifted, expanded, or eliminated based on further modeling and risk assessments of erosion potential and may look slightly different than those areas previously identified in the ARCF GRR FEIS/FEIR Plate 4 (Figure 1). In total the current LAR erosion sites in design or construction comprise less than approximately 7 miles of levee and bank protection. For LAR Contract 3A (Figure 3, Figure 4), only a small portion of the proposed erosion protection was already analyzed in the ARCF GRR FEIS/FEIR (Figure 1, Figure 4). Along with bank protection, the updated designs include launchable toe protection (Figure 5) instead of launchable trench (Figure 2). The specific design changes for LAR Contract 3A also include: 1) locating staging areas northwest of the Business I-80 Bridge and at parking lots at Sutter's Landing Park and 2) using haul routes to and from the Project Area. It is estimated that 50,300 cubic yards (cy) of materials will be added to Waters of the U.S and 7,800 cy will be placed above the OHWM. In addition, it is estimated that 4.03 acres of fill material will be added to the site below the OHWM. The Proposed Action is the Least Environmentally Damaging Practicable Alternative.

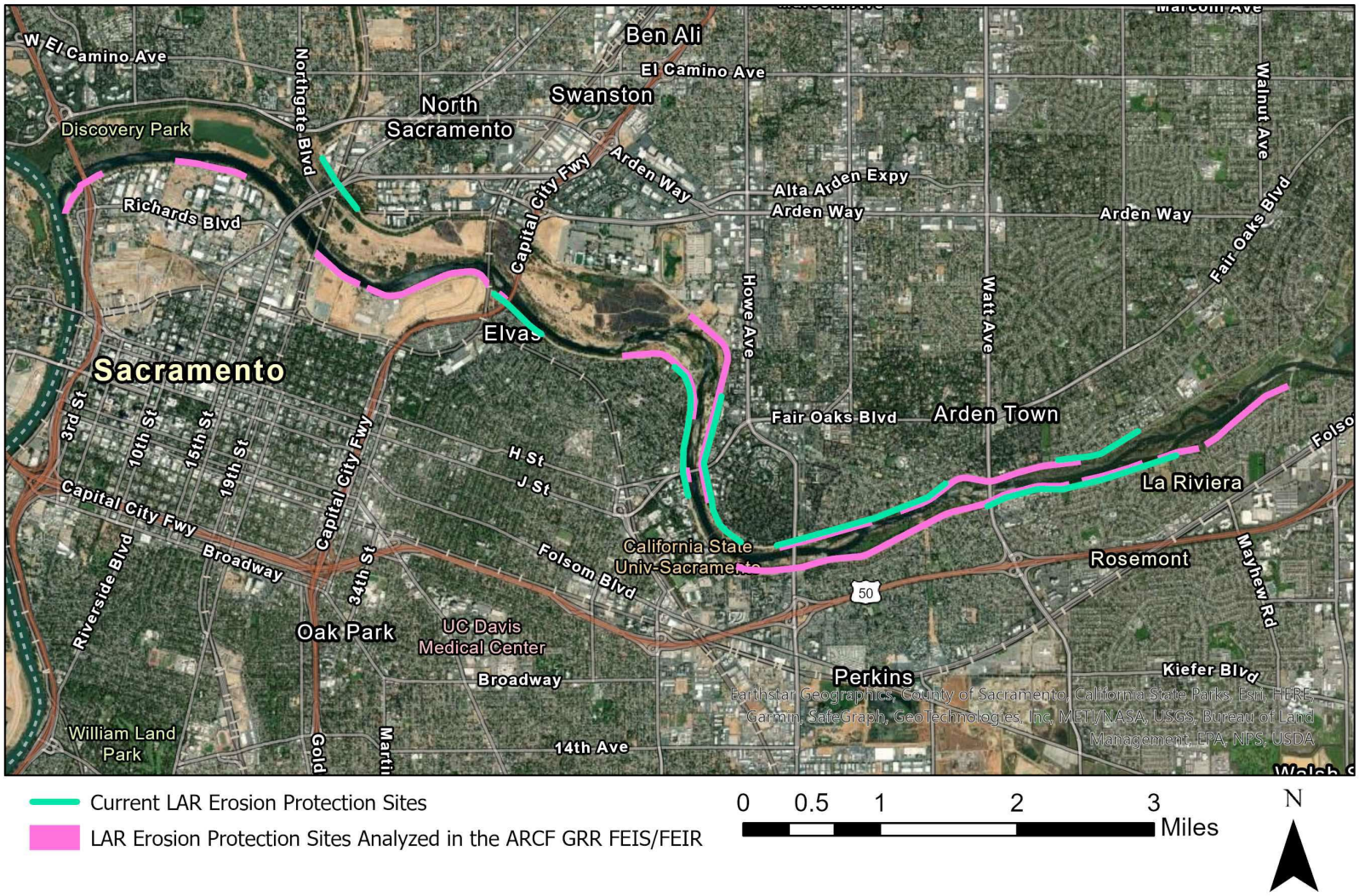

Figure 1 Erosion Protection Site Analyzed in the ARCF GRR FEIS/FEIR Compared to Current Project Locations

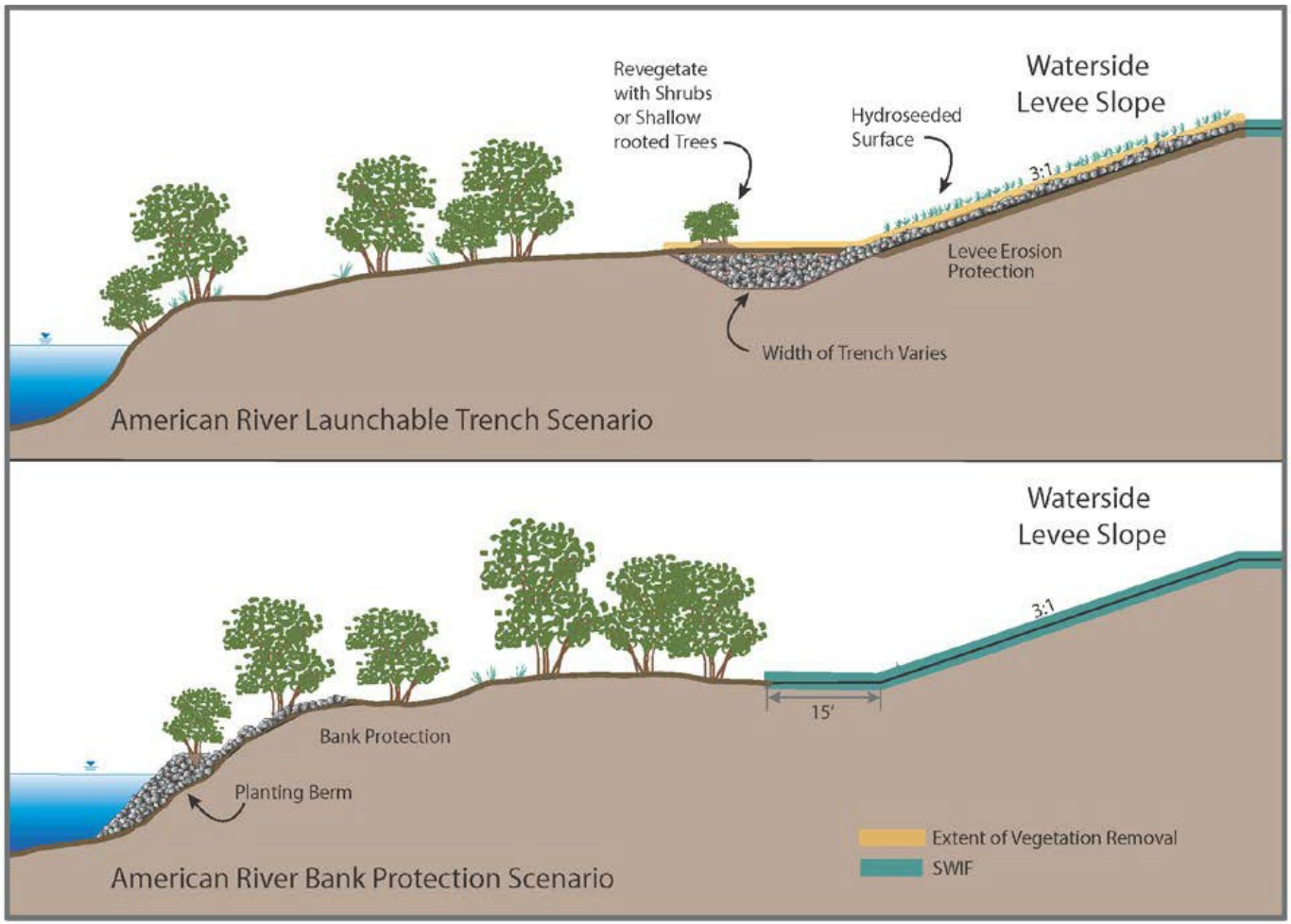

Figure 2 Bank Protection and Launchable Rock Trench Typical Design

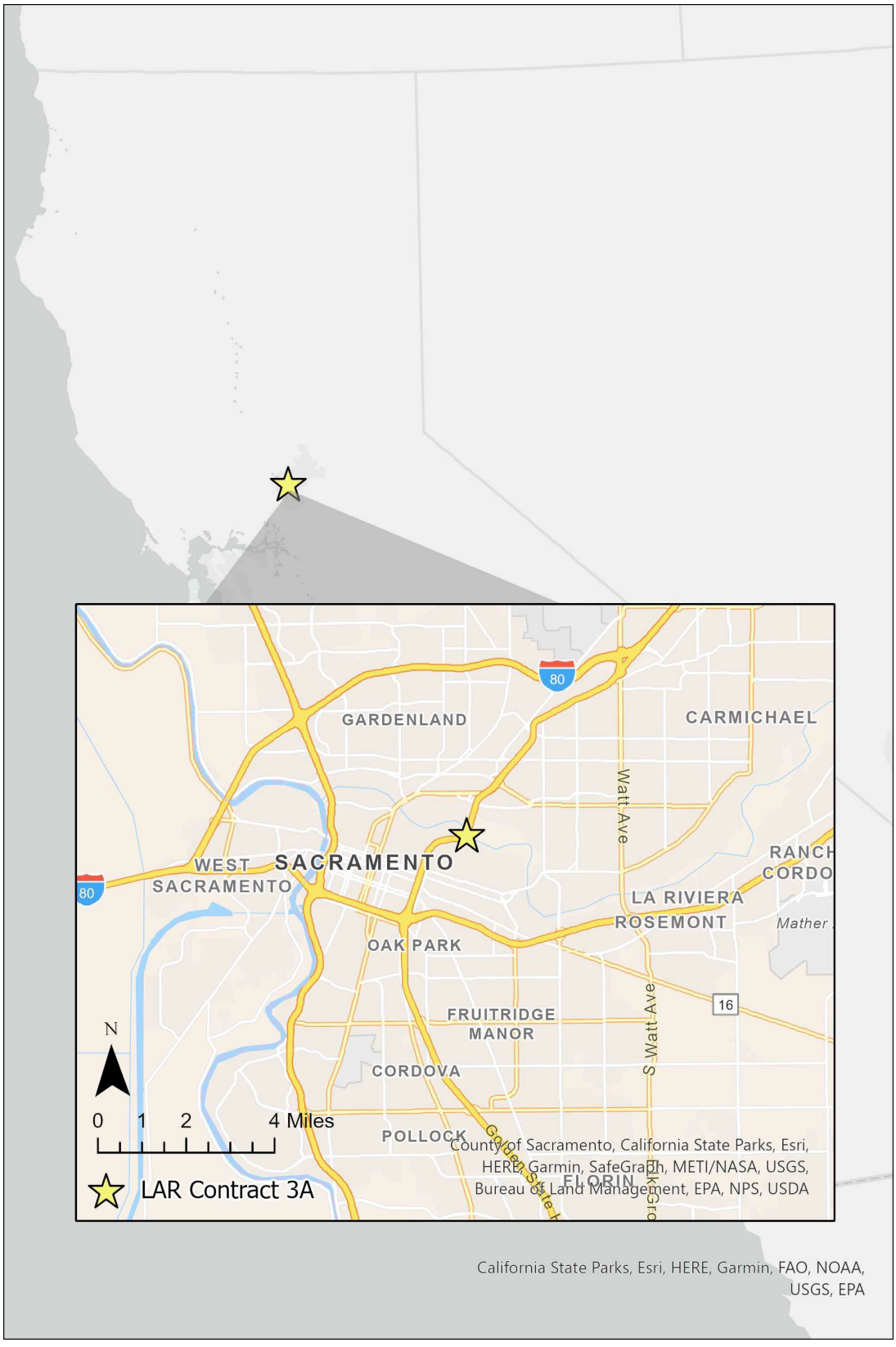

Figure 3 Project Location

Figure 4 LAR Contract 3A Erosion Protection Footprint

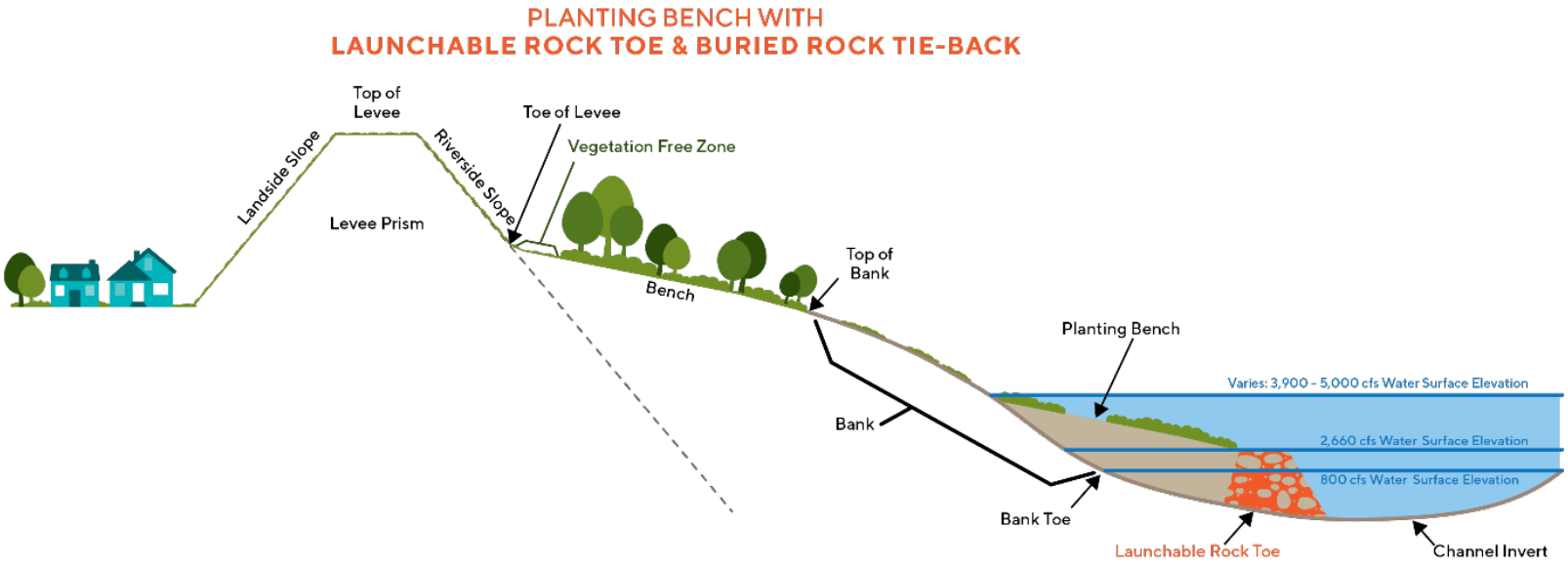

Figure 5 Planting Bench with Launchable Rock Toe and Buried Rock Tie-Back

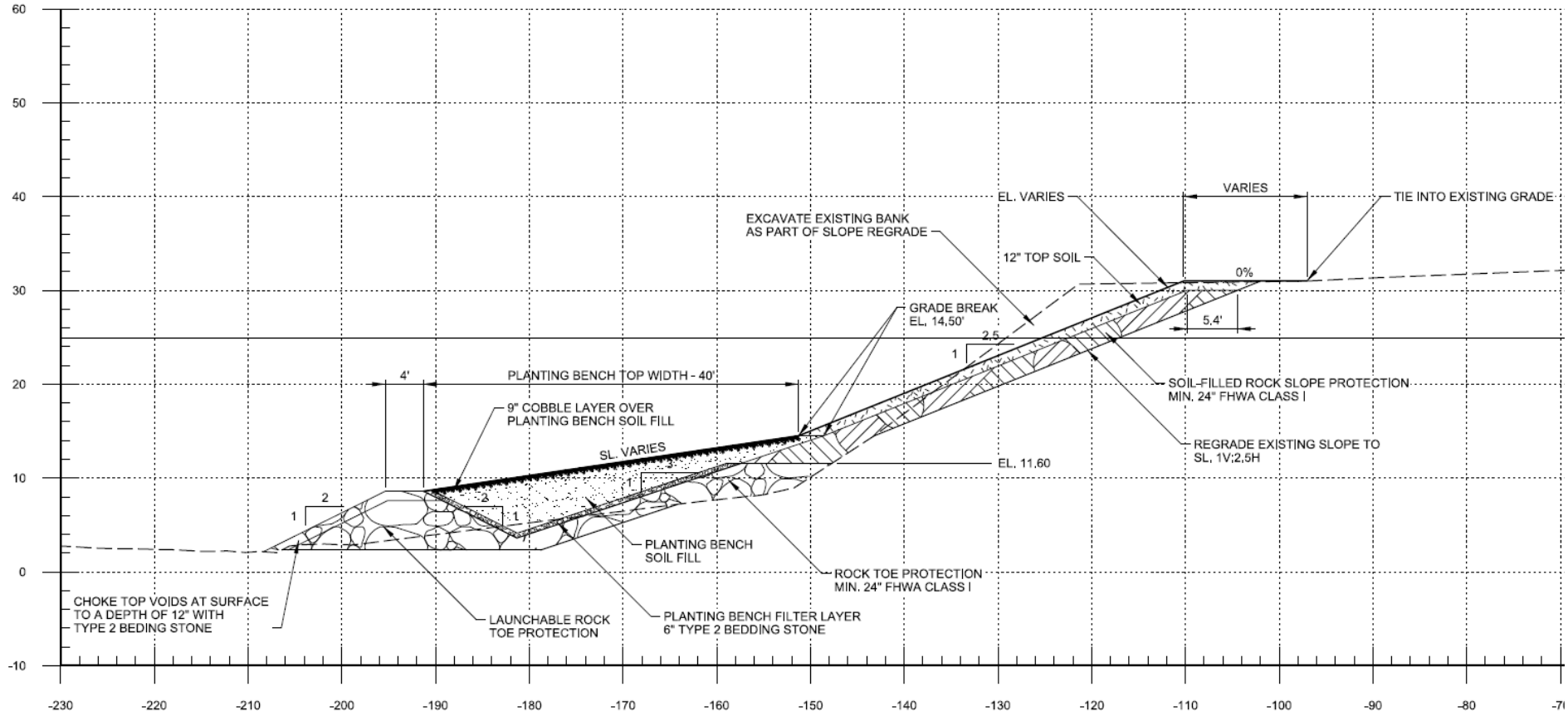

Figure 6 Example of Erosion Protection Design Downstream of the Business I-80 Bridge

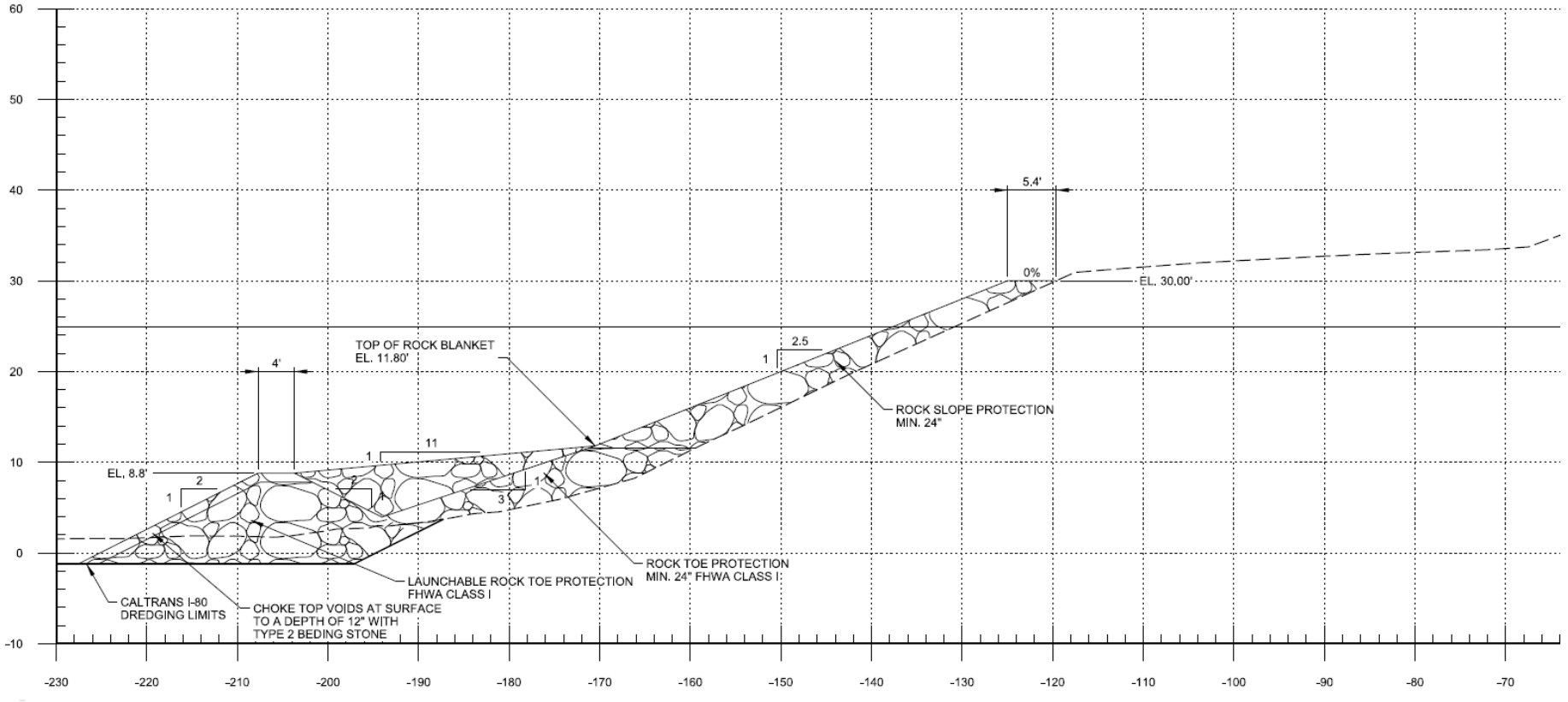

Figure 7 Example of Erosion Protection Design Under the Business I-80 Bridge

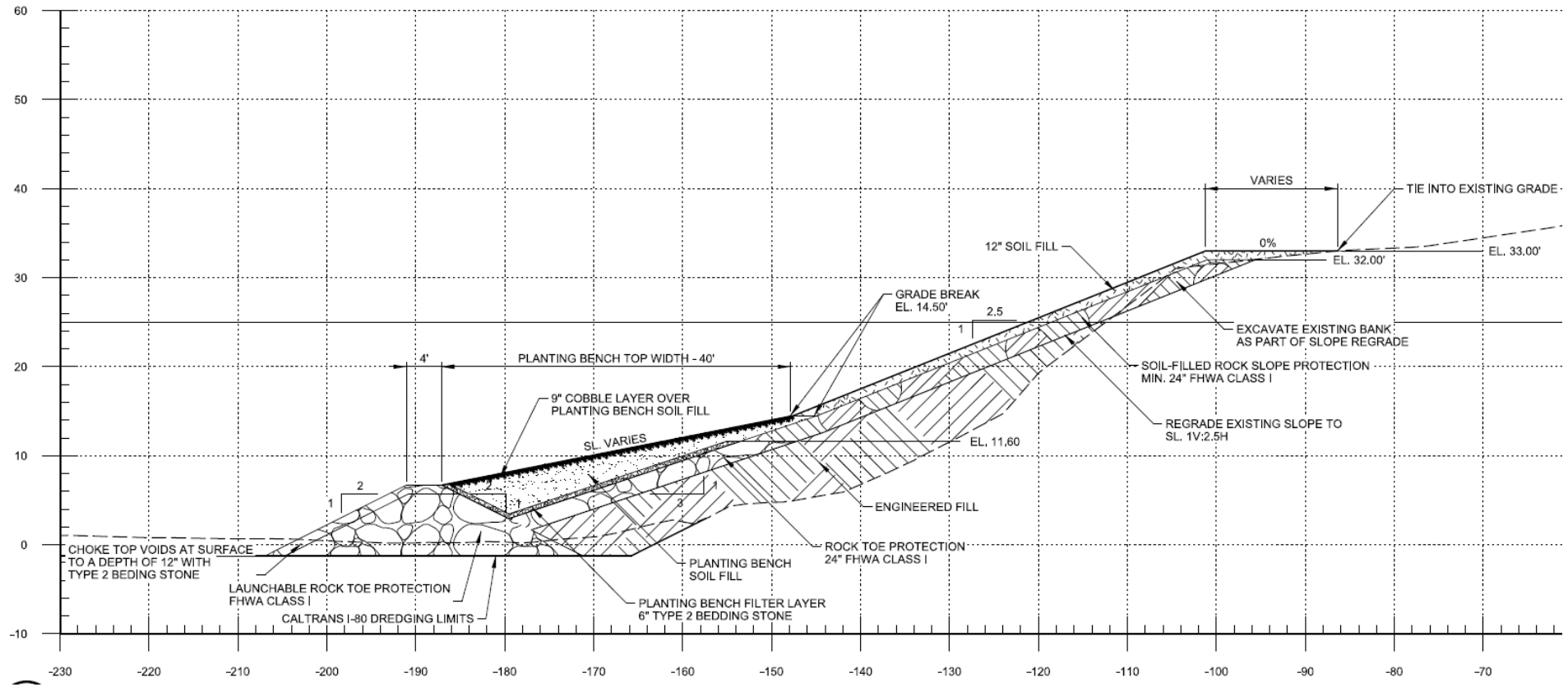

Figure 8 Example of Erosion Protection Design Just Upstream of the Business I-80 Bridge

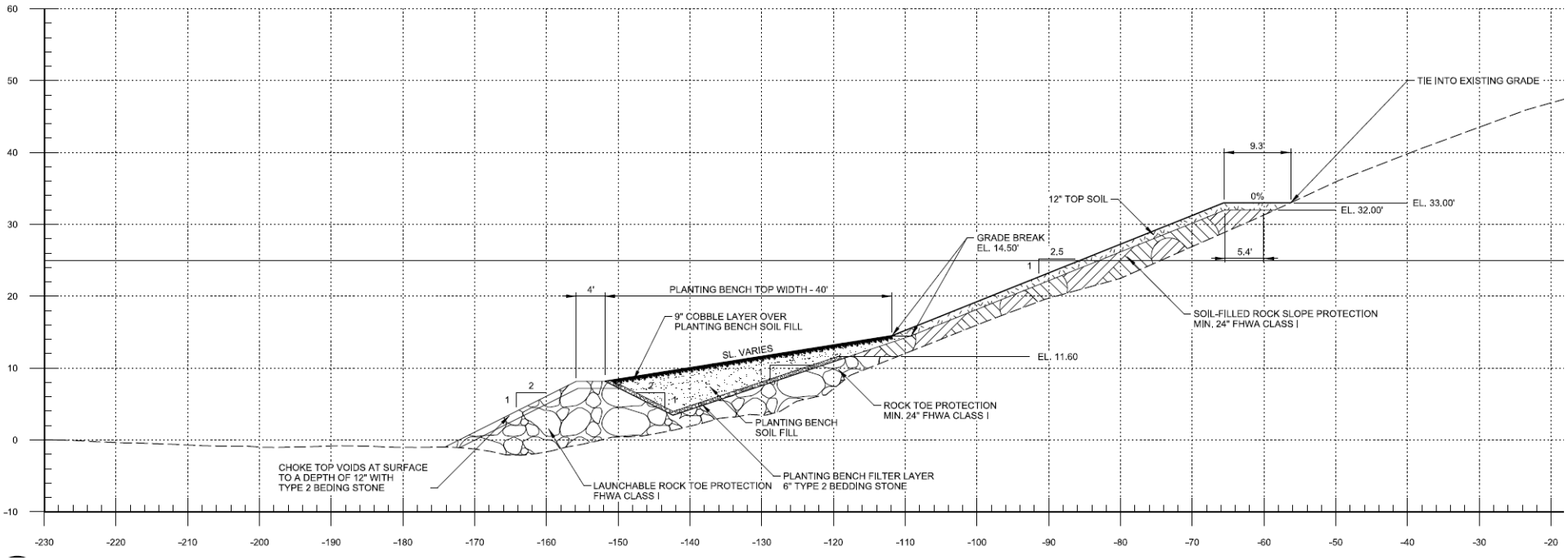

Figure 9 Example of Erosion Protection Design on the Upstream Portion of the Project

Review of Findings

The use of Launchable Toe and Planting Benches was not specifically covered in the GRR 404(b)(1) evaluation. However, this work is within the 11 miles of erosion protection considered and creates better fish habitat than the erosion protection work originally described for the LAR in the ARCF GRR FEIS/FEIR. The method of erosion protection work was not specifically evaluated and therefore warrants an abbreviated review of the GRR 404(b)(1) findings.

Physical Substrate

Changes to Environmental Quality and Value

Potential impacts to environmental quality and value include a potential temporary increase in turbidity during construction, runoff of exposed soils, and fuel spills during construction. Emissions from construction equipment and haul trucks also pose a potential impact to environmental quality and value during the duration of construction activities. Best management practices (BMPs) and measures incorporated from the ARCF GRR FEIS/FEIR, with clarifying modifications, would be implemented during construction.

Construction contractors would be required to prepare and implement a SWPPP and comply with the conditions of the National Pollutant Discharge Elimination System (NPDES) general stormwater permit for construction activity. The contractor would be required to obtain a permit from the Central Valley Regional Water Quality Control Board detailing a plan to control any spills that could occur during construction. The plan would describe the construction activities to be conducted, BMPs that would be implemented to prevent discharges of contaminated stormwater into waterways, and inspection and monitoring activities that would be conducted. These avoidance and minimization measures would reduce effects on water chemistry and ensure that the Proposed Action would not violate State water quality standards identified in the Basin Plan or the Toxic Effluent Standards of Section 307 of the Clean Water Act.

Physical Substrate

Substrate and Fill: Instead of a planting berm being built near the bank toe, a launchable toe made up of the large stone revetment will be built. The launchable toe will be covered in choke stone to reduce interstitial spaces for predator habitat where revetment may not be covered by soil. Behind the launchable toe will be a planting bench that is up to 40 feet wide. In general, the bank protection revetment will be covered in 12 inches of topsoil and the planting benches will be covered with up to 6 feet of topsoil. A 6” layer of filter material will be placed under the planting bench and 2-6 feet of bank protection revetment will be placed under the filter material (Figure 6, Figure 7, Figure 8, and Figure 9). In addition, depending on the location of the levee, additional fill material will be placed under the bank protection revetment. In particular, just upstream of the Business 1-80 Bridge, up to 8 feet of fill is needed in order for the planting benches to reach acceptable slopes (Figure 8). For most of the project site 0-3

feet of fill will be placed under the bank protection revetment (Figure 7 and Figure 9). Since vegetation will not grow under the Business I-80 Bridge, revetment will replace top soil and filter materials on the planting benches and around 2 feet of fill will be placed under the bank protection revetment (Figure 7). Choke stone will still cover the launchable toe under the Business 1-80 Bridge (Figure 7). In addition, tie backs will be placed at the ends of the planting benches to reduce erosion of the planting benches. Soil filled rock will be placed on top of the tiebacks.

Overall, the GRR 404(b)(1) anticipated that there would be 17 acres of fill material. Using the 100% designs for LAR Contract 1, 100% designs for LAR Contract 2, and 100% designs for LAR Contract 3A, the total acreage of fill material under the OHWM would be approximately 20.87 acres (9.79 acres for LAR Contract 1, 7.05 acres for LAR Contract 2, and 4.03 acres for LAR Contract 3A). This means that there is about a 22% increase in fill material. Use of Arden Pond is speculative now due to a lack of community support, so anticipated fill materials from Arden Pond was not included. This increase in fill materials is largely due to design improvements made during Pre-Construction Engineering and Design (PED). When the GRR 404(b)(1) was developed, modifications to the designs analyzed in the ARCF GRR FEIS/FEIR were anticipated once more data and modeling became available during PED. The use of launchable toe at the LAR Contract 3A allows for planting benches, which increases the survivability and amount of vegetation that can be planted along the riverbank. This provides for much better fish habitat than using planting berms, which is what was assessed in the ARCF GRR FEIS/FEIR. These benches are preferred by National Oceanic and Atmospheric National Marine Fisheries Service (NMFS) and the United States Fish and Wildlife Service (USFWS) because the benches provide better habitat for salmonid species than the berms associated with bank protection. In addition, the GRR assumed more use of launchable trench than what is feasible at the sites. Use of launchable trench is only available where the overbank is wide enough and LAR Contract 3A did not have a wide enough overbank for use of launchable trench. Use of launchable trench would not have added materials below the OHWM. Overall, these design improvements are allowing for less environmental impacts. Because this is only a 22% increase in fill material, will increase fish habitat quality, and because the ARCF GRR was written with the assumption that the designs would change during PED, LAR Contract 3A is still consistent with the GRR 404(b)(1).

Unlike what was analyzed in the GRR 404(b)(1), the launchable toe is designed to launch when scour occurs (as compared to bank protection, which would stop scour from occurring in the first place). However, erosion due to the movement of the toe revetment would be significantly less than if no erosion protection was placed in the first place. Also, erosion due to the movement of toe protection would be less than what would occur for launchable trench. Launchable trench would have to be higher up on the levee so the bank would have to erode farther before the trench would launch.

Soil and fill would come from on-site or from clean, imported fill material. Rock would be imported. Imported fill material could come from tested dredge materials from the California Department of Transportation Business 1-80 Bridge Expansion Project, a tested and approved borrow site, or from a commercial source.

Changes to Disposal Area Elevation: The launchable rock toe, rock tie backs, and planting benches would typically increase elevations in the channel by up to 10 feet (as compared to the 1.5 feet elevation change analyzed in the GRR 404(b)(1)). As mentioned above, this increase is due to use of launchable toe and large planting benches, which will benefit fish species in the area. A hydraulic analysis done by the design team determined that stage increases due solely to the addition of LAR Contract 3A's project features are estimated to be approximately 0.05 feet (USACE 2021). Preliminary findings from the Sacramento District Cumulative Modeling Team suggest that stage impacts for LAR Contract 3A and LAR Contract 3B could be as high as 0.2 feet without impacting the probability of overtopping (USACE 2021). Since the impact of 0.05 feet is significantly under the 0.2 feet threshold, it has been determined that the final design for LAR Contract 3A would not have a significant impact on the risk of flooding in the area.

Duration and Extent of Substrate Change: The duration of the Proposed Action would be the same as what was described in the GRR 404(b)(1).

Migration of Fill: Migration of fill of the Proposed Action would be the same as what was described in the GRR 404(b)(1).

Changes to Environmental Quality and Value: The changes to the environmental quality and value would be the same as what was described in the GRR 404(b)(1).

Water Circulation, Fluctuation, and Salinity

Water Circulation, Fluctuation, and Salinity: The changes from the Proposed Action to the water circulation, fluctuation, and salinity would be the same as what was described in the GRR 404(b)(1).

Water Quality

pH, Water Chemistry, Clarity, Color, Odor, Taste, Dissolved Gases, Temperature, Nutrients, Eutrophication, and Suspended Particulates/Turbidity: The effect of the Proposed Action on pH, water chemistry, clarity, color, odor, taste, dissolved gases, temperature, nutrients, eutrophication, and suspended particulates/turbidity would be the same as what was described in the GRR 404(b)(1).

Contaminants

Overall, the risk of releasing contaminants would be the same as what was described in the GRR 404(b)(1). There is a chance that additional contaminants may be released into the water if materials are reused from onsite or from dredge from the Caltrans Bridge Deck Expansion Project. These materials will be tested for contaminants and will only be used if levels are in accordance with Federal, State, and local regulations.

Aquatic Ecosystems and Organisms

Overall, the impact of the Proposed Action would be similar to what is described in the GRR 404(b)(1) for plankton, benthos, nekton, the aquatic food web, sanctuaries, refuges, wetlands, mud flats, vegetated shallows, coral reefs, and riffle and pool complexes. In addition, where constructed surfaces have rock, cobble, or gravel substrates, native benthic organisms also would be expected to colonize the area, particularly after spaces between the rock, cobble, or gravel capture sediment traveling downstream, providing benthic surfaces similar to existing conditions

Threatened and Endangered Species

The effect of the Proposed Action on threatened and Endangered Species would be the same as what was described in the GRR 404(b)(1).Biological Opinions associated with the Proposed Action include the NMFS Biological Opinion WCRO-2020-03082 dated May 12, 2021 and the USFWS Biological Opinion 08ESMF00-2014-F-0518-R003 dated March 31, 2021.

Human Use Characteristics

Municipal Water Supplies, Private Water Supplies, Recreational Fisheries, Commercial Fisheries, Water-Related Recreation, and Aesthetics: The effect of the Proposed Action on municipal water supplies, private water supplies, recreational fisheries, commercial fisheries, water-related recreation, and aesthetics supplies would be the same as what was described in the GRR 404(b)(1).

Parks: In addition to the effects on parks already described in the GRR 404(b)(1), the Proposed Action will impact Glenn Hall Park. Glenn Hall Park is managed by The City of Sacramento and contains picnic areas, a baseball field, a soccer field, a swimming pool, tennis courts and river access. The proposed action would increase traffic through Glenn Hall Park and impact those wanting to use the area.

Determination

The Proposed action is a water dependent activity. Although not specifically identified in the ARCF GRR FEIS/FEIR, the Proposed Action is consistent with the GRR 404(b)(1) analysis as it falls within the 11 miles of erosion protection that was analyzed in the GRR 404(b)(1). In addition, even though there will be larger quantities of fill materials than what was anticipated in the GRR 404(b)(1), these larger quantities are due to selection of a more environmentally friendly alternative. Furthermore, the ARCF GRR, which the GRR 404(b)(1) was based on, was written anticipating updates to the project designs during PED, so the GRR 404(b)(1) was written with the assumption that changes would occur. The increase in fill is about a 22% increase, which is within a reasonable range of what was looked at in the GRR 404(b)(1). Impacts to the Waters of the U.S. will be mitigated by restoring riparian and fisheries habitat below the OHWM as part of the mitigation done under both the Fish and Wildlife Coordination Act and the Endangered Species Act.

References

United States Army Corps of Engineers (USACE). 2021. Design Documentation Report American River Common Features Erosion Protection Contract 3A: 65% Submittal. Saint Paul, MN: Saint Paul District.