APPROVED JURISDICTIONAL DETERMINATION FORM **U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 2010/1/4

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B.	DISTRICT OFFICE, FILE NAME, AND NUMBER: Porter Ranch Project, SPK-2008-01027
C.	PROJECT LOCATION AND BACKGROUND INFORMATION: State: California County/parish/borough: Butte County City: N/A Center coordinates of site (lat/long in degree decimal format): Lat. 39.38° N, Long121.59° W. Universal Transverse Mercator: Name of nearest waterbody: Wyman Ravine Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Feather River Name of watershed or Hydrologic Unit Code (HUC): Riverine Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request. Check if other sites (e.g., offsite mitigation sites, disposal sites, etc) are associated with this action and are recorded on a different JD form.
D.	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY): ☐ Office (Desk) Determination. Date: 2009/12/28 ☐ Field Determination. Date(s): 2008/10/23
SEC A.	CTION II: SUMMARY OF FINDINGS RHA SECTION 10 DETERMINATION OF JURISDICTION.
	re Are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the ew area. [Required] Waters subject to the ebb and flow of the tide. Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce Explain:
В.	CWA SECTION 404 DETERMINATION OF JURISDICTION.
There Are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.	
	1. Waters of the U.S. a. Indicate presence of waters of U.S. in review area (check all that apply): TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs Impoundments of jurisdictional waters Isolated (interstate or intrastate) waters, including isolated wetlands
	b. Identify (estimate) size of waters of the U.S. in the review area: Non-wetland waters: linear feet: width (ft) and/or 7.878 acres. Wetlands: 31.964 acres.
	c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual Elevation of established OHWM (if known):

Non-regulated waters/wetlands (check if applicable):³

apparent interstate commerce.

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: NJ15 is 0.007 acre and NJ 16 is approximately 0.027 acre. They are determined to be isolated wetlands with no

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below. ² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1.	TNW	
	T 1	

Identify TNW: .

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent":

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: 20**square miles**Drainage area: 16 **square miles**Average annual rainfall: 27 inches
Average annual snowfall: 0 inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

Tributary flows through 2 tributaries before entering TNW.

Project waters are 5-10 river miles from TNW.

Project waters are 1 (or less) river miles from RPW.

Project waters are 1-2 aerial (straight) miles from TNW.

Project waters are 1 (or less) aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: n/a.

Identify flow route to TNW⁵: Wyman Ravine (RPW) flows through the survey area and continues South to form a confluence with Honcut Creek (RPW) which is a tributary of the Feather River.

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

	Tributary stream order, if known: .	
(b)	General Tributary Characteristics (check all that apply): Tributary is: Natural Artificial (man-made). Explain: Manipulated (man-altered). Explain:	
	Tributary properties with respect to top of bank (estimated Average width: 6 feet Average depth: 2 feet Average side slopes: Vertical (1:1 or less).	ate):
	Primary tributary substrate composition (check all that a Silts Sands Gravel Bedrock Vegetation. Type/% c Other. Explain:	☐ Concrete ☐ Muck
was present to	Tributary condition/stability [e.g., highly eroding, sloug Presence of run/riffle/pool complexes. Explain: Some a create riffles. Tributary geometry: Meandering Tributary gradient (approximate average slope): 3 %	hing banks]. Explain: . reas of Wyman ravine remain pooled in October, but no cobble
	Flow: Tributary provides for: Intermittent but not seasonal fl Estimate average number of flow events in review area/ Describe flow regime: flow is from collected water tural practices from the property and adjacent parcels. Other information on duration and volume:	
	Surface flow is: Confined. Characteristics: .	
	Subsurface flow: Unknown . Explain findings: . Dye (or other) test performed: .	
	Tributary has (check all that apply): Bed and banks OHWM ⁶ (check all indicators that apply): clear, natural line impressed on the bank changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition water staining other (list): Discontinuous OHWM. ⁷ Explain:	the presence of litter and debris destruction of terrestrial vegetation the presence of wrack line sediment sorting scour multiple observed or predicted flow events abrupt change in plant community
		lateral extent of CWA jurisdiction (check all that apply): Mean High Water Mark indicated by: survey to available datum; physical markings; vegetation lines/changes in vegetation types.
		oily film; water quality; general watershed characteristics, etc.). scolored due to runoff from the cattle onsite and due to the fact the

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

Identify specific pollutants, if known: agricultural and cattle runoff.

	ed by	ogical Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): The riparian corridor is approximately 7-10 feet wide and Quercus lobata and includes Salix gooddingii, Cephalanthus occidentalis, Rubas discolor, Ludwigia ssp., and Polygonum Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings:
2. Ch	aract	eristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
	(a)	General Wetland Characteristics: Properties: Wetland size:31.96acres Wetland type. Explain:Vernal pool complex including seasonal and fresh emergent features Wetland quality. Explain:The vernal pool complex on the western portion of the site is high quality habitat and the are provides habitat for a multitude of wildlife, but is not good habitat for special-status plant species. Water quality in all as appears to be good without obvious pollutants. Project wetlands cross or serve as state boundaries. Explain: n/a.
	(b)	General Flow Relationship with Non-TNW: Flow is: Ephemeral flow . Explain: The swales in the vernal pool complex transport pooled water to the tributaries
		Surface flow is: Discrete and confined Characteristics: Water flows through confined swales as well as by sheet flow.
		Subsurface flow: Unknown. Explain findings: Dye (or other) test performed:
	(c)	Wetland Adjacency Determination with Non-TNW: ☐ Directly abutting ☐ Discrete wetland hydrologic connection. Explain: ☐ Ecological connection. Explain: ☐ Separated by berm/barrier. Explain:
	(d)	Proximity (Relationship) to TNW Project wetlands are 10-15 river miles from TNW. Project waters are 1-2 aerial (straight) miles from TNW. Flow is from: Wetland to navigable waters. Estimate approximate location of wetland as within the 500-year or greater floodplain.
(ii)	Cha	emical Characteristics: racterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: Water was not present within the majority of the wetland features onsite during the field survey, however no oily film or remnants of other pollutants were present on the soil surface or in the few features which were ponded. Cattle onsite contributed to the turbidity in the features. https://doi.org/10.1001/j.j.j.j.j.j.j.j.j.j.j.j.j.j.j.j.j.j.j.
(ii	i) Biol	logical Characteristics. Wetland supports (check all that apply): Riparian buffer. Characteristics (type, average width):
Ravine.		Vegetation type/percent cover. Explain:two riparian woodland wetlands were present onsite along the banks of Wyman Habitat for:
ernal pool ta	adpole	Fish/spawn areas. Explain findings:
eatures onsi	te.	Other environmentally-sensitive species. Explain findings:Potiential exhists for CNPS listed plants to occur in the
opopods and	d the i	Aquatic/wildlife diversity. Explain findings:Vernal pools onsite provide suitable habitat for aquatic crustaceans and rrigated pasture provides foraging habitat for migratory birds and great egrets.

${\bf 3.} \quad {\bf Characteristics\ of\ all\ wetlands\ adjacent\ to\ the\ tributary\ (if\ any)}$

All wetland(s) being considered in the cumulative analysis: **30 (or more)** Approximately (31.96) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

 $\frac{Directly\ abuts?\ (Y/N)}{WF\ 01,\ 12,\ 13,\ 15,\ 16,\ 19,\ 24,\ 2\ 25,\ 37,\ 38,\ 49-51,\ 54,\ 79,\ 89,\ 91,\ 97,\ 98,}{101-103,\ 104,\ 111,\ 117,-119,\ 124-126,\ 130,\ 132,\ 134,\ 136,\ 1137,\ 139,\ 140,\ 171,\ 173,\ 182\ are\ all\ connected\ to\ a\ RPW\ making\ them\ all\ abutting\ for\ a\ total\ of\ 9.165\ acres$

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

- 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:OW 04 is a small NRPW that once drained the adjacent rice field directly into Wyman Ravine and now channalizes sheet runoff from precipitation events directly into Wyman Ravine.
- 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: OW 05 and 06 collect water from the abutting plusterine emergent non-persistant depressional and riverine wetlands. Both wetlands and OW 05, and 06 drain into Wyman Ravine. OW 03 collects water from the abutting plusterine emergent non-persistant depressional and riverine wetlands and drains into an offsite roadside ditch which flows into Wyman Ravine, which flows in the Feather River.
- 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: The entire vernal pool complex in the western half of the survey area is adjacent abutting and drains into Wyman Ravine. The small vernal pool complex in the southeast corner of the site (WF 60-63, 03-07, and 138) are all connected via overland sheet flow (or channalized flow in the case of WF 63) to the offsite roadside ditch along the southern border of the property. This ditch flows west diectly into Wyman Ravine. Finally, WF 02 is connected to OW 01 via overland sheet flow. All other wetland features onsite are directly abutting an RPW.
- **D.** DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):
 - 1. TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area:

	TNWs: linear feet width (ft), Or, acres. Wetlands adjacent to TNWs: acres.
2.	 RPWs that flow directly or indirectly into TNWs. □ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: □ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: Wyman Ravine and 08 both flow more than 3 months out of the year due to runoff from precipitation events and runoff from adjacent agricultural practices which release water at varying times throughout the year.
	Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: 10924.0 linear feet width (ft). Other non-wetland waters: 7.954acres. Identify type(s) of waters:
3.	Non-RPWs ⁸ that flow directly or indirectly into TNWs. Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional waters within the review area (check all that apply): Tributary waters: 2789.0 linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: Intermi Drainages.
4.	Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands. Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: Riparian wetlands WF 119 and 124 occur along the banks of Wyman Ravine, and are directly abutting WF 01, 37 and 38 all lie within the banks of an unnamed tributary (08) where the RPW flattens out creating wetlands and hence are directly abutting an RPW. WF 79,89, 91, 97-98, 101-103, 126, 134, and 136-137 are all connected directly to OW 05, and 06 which flows directly into water feature 132 which in turn flows directly into Wyman Ravine. Also, WF 117 continues flowing off site to the south and eventually flows into Wyman Ravine. WF 12-13, 15-16, 19, 24-25, 49-51 54, 118, and 30 are all directly connected to WF 117.
	Provide acreage estimates for jurisdictional wetlands in the review area: 31.21 acres.
5.	Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.
	Provide acreage estimates for jurisdictional wetlands in the review area: acres.
6.	Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

⁸See Footnote # 3.

Provide estimates for jurisdictional wetlands in the review area: **7.607** acres.

	7. Impoundments of jurisdictional waters. As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional. Demonstrate that impoundment was created from "waters of the U.S.," or Demonstrate that water meets the criteria for one of the categories presented above (1-6), or Demonstrate that water is isolated with a nexus to commerce (see E below).
E.	ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY): 10 which are or could be used by interstate or foreign travelers for recreational or other purposes. from which fish or shellfish are or could be taken and sold in interstate or foreign commerce. which are or could be used for industrial purposes by industries in interstate commerce. Interstate isolated waters. Explain: Other factors. Explain:
	Identify water body and summarize rationale supporting determination:
	Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: . Wetlands: acres.
F.	NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY): If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements. Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce. Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR). Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:The non-jurisdictional wetland features NJ 15, and NJ 16 are not hydrologically connacted to any jurisdictional features therefore they are isolated with no signifigant nexus. Other: (explain, if not covered above):
	Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres.
	Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet, width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: . Wetlands: acres.
SEC	CTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:Attachemtn A in the Porter Ranch Delineation prepared by Gallaway, final version 12/15/2009.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

\boxtimes	Data sheets prepared/submitted by or on behalf of the applicant/consultant.
	Office concurs with data sheets/delineation report.
	Office does not concur with data sheets/delineation report.
	Data sheets prepared by the Corps: .
	Corps navigable waters' study: .
	U.S. Geological Survey Hydrologic Atlas: .
	USGS NHD data.
	USGS 8 and 12 digit HUC maps.
\boxtimes	U.S. Geological Survey map(s). Cite scale & quad name: .
\boxtimes	USDA Natural Resources Conservation Service Soil Survey. Citation: .
	National wetlands inventory map(s). Cite name: .
	State/Local wetland inventory map(s): .
	FEMA/FIRM maps: .
	100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
\boxtimes	Photographs: Aerial (Name & Date): Soil characterization in the Porter Ranch Delineation; figure 2, prepared by Gallaway.
6/20	008.
	or 🔀 Other (Name & Date):Photos in the Porter Ranch Delineation pages 12-17, prepared by Gallaway 6/2008.
	Previous determination(s). File no. and date of response letter:
	Applicable/supporting case law: .
	Applicable/supporting scientific literature: .
	Other information (please specify):

B. ADDITIONAL COMMENTS TO SUPPORT JD: