

# FORMER BEALE AFB TITAN 1-A MISSILE FACILITY FUDS PROJECT

FUDS PROJECT #J09CA1108-01

USACE Sacramento District Presentation  
to the Lincoln City Council

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# FORMER BEALE AFB TITAN 1-A MISSILE FACILITY



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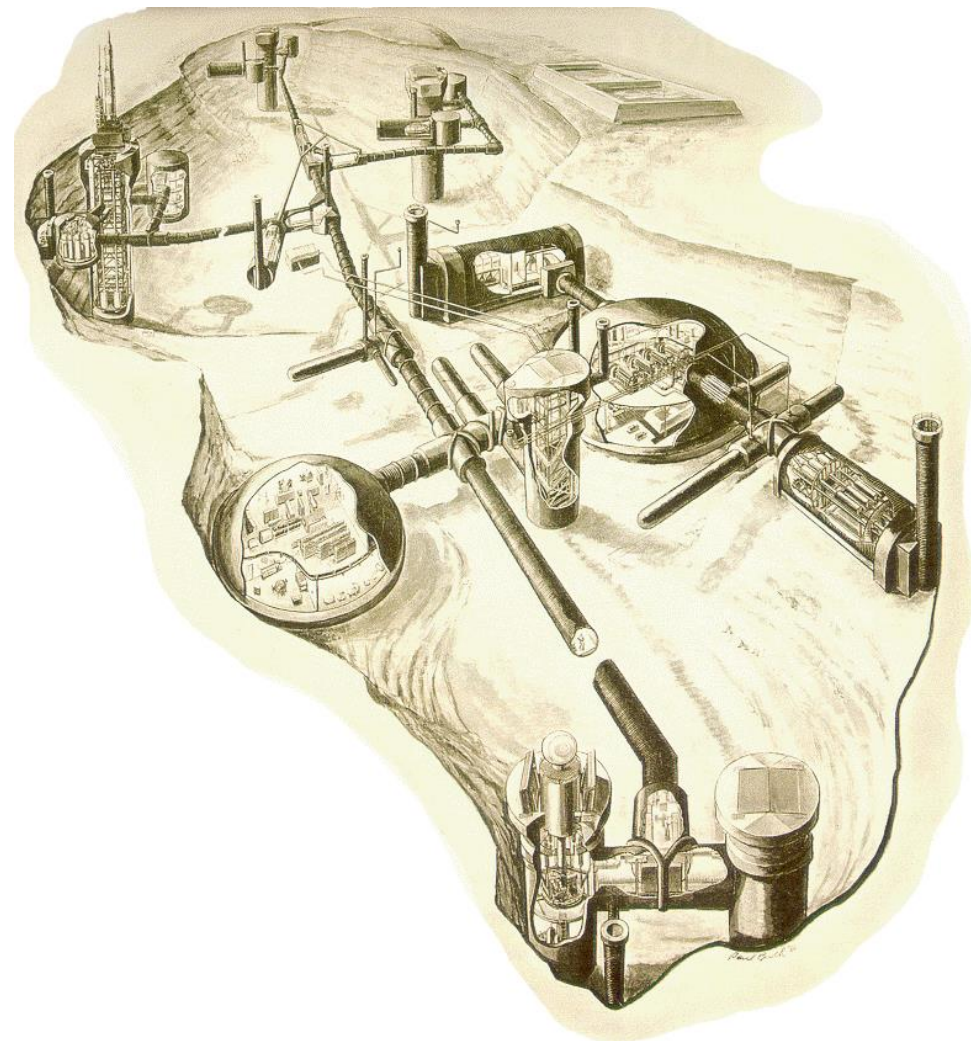
Completed in **1962**; Dismantled in **1968**

Consisted of three 160-foot-deep missile silos, with adjacent underground and above-ground features including storage tanks, distribution lines, electrical wiring, water supply, communication lines, and wastewater collection facilities.

**1968:** Placer County acquired a parcel of the complex  
Adjacent parcels acquired by private owners since 1968

**1991:** Presence of trichloroethene (TCE) discovered southwest of the site as a result of groundwater sampling

**1994:** USACE authorized to begin remedial investigations of soil, soil vapor, and groundwater through the Formerly Used Defense Sites (FUDS) Program







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# USACE ROLE IN FUDS PROJECTS

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The Department of Defense is responsible for the environmental restoration of properties that were formerly owned by, leased to, or otherwise possessed by the United States; under the jurisdiction of the Secretary of Defense; and transferred from the Secretary's control prior to October 1986. Such properties are known as Formerly Used Defense Sites (FUDS). USACE executes the FUDS Program on behalf of DoD.

## For projects to be eligible under FUDS:

- The property must be eligible for the FUDS program (described above)
- Known or potential contamination must be attributable to DoD activities prior to 1986 and associated with the eligible property

*\*Only contamination attributable to DoD activities can be remedied through FUDS program.*

USACE is in the process of completing its Remedial Investigation to clean up trichloroethene (TCE) at the Former Beale AFB Titan 1-A Missile Site.

*TCE is a common chemical compound that is widely used as an industrial solvent to degrease metal parts*





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# A BRIEF HISTORY

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**1994:** USACE authorized to begin remedial investigations of soil, soil vapor, and groundwater through the Formerly Used Defense Sites (FUDS) Program

**2001-2004:** USACE began small-scale pilot groundwater extraction and treatment system. Approximately 10 pounds of TCE were removed by extracting impacted groundwater

**2002:** Soil Vapor Extraction test performed at 4 wells to test soil permeability/vacuum radius of influence

**2005:** Performed two bench-scale studies testing chemical oxidation and enhanced bioremediation effectiveness on site contamination

**2007-2008:** Feasibility Study Report complete; Addendum adds remedial alternative for consideration

**2009:** USACE field activities related to the Titan 1-A FUDS project stopped to investigate other potential sources of TCE contamination.

**2018:** USACE re-initiates Titan 1-A FUDS project, remedial investigation activities

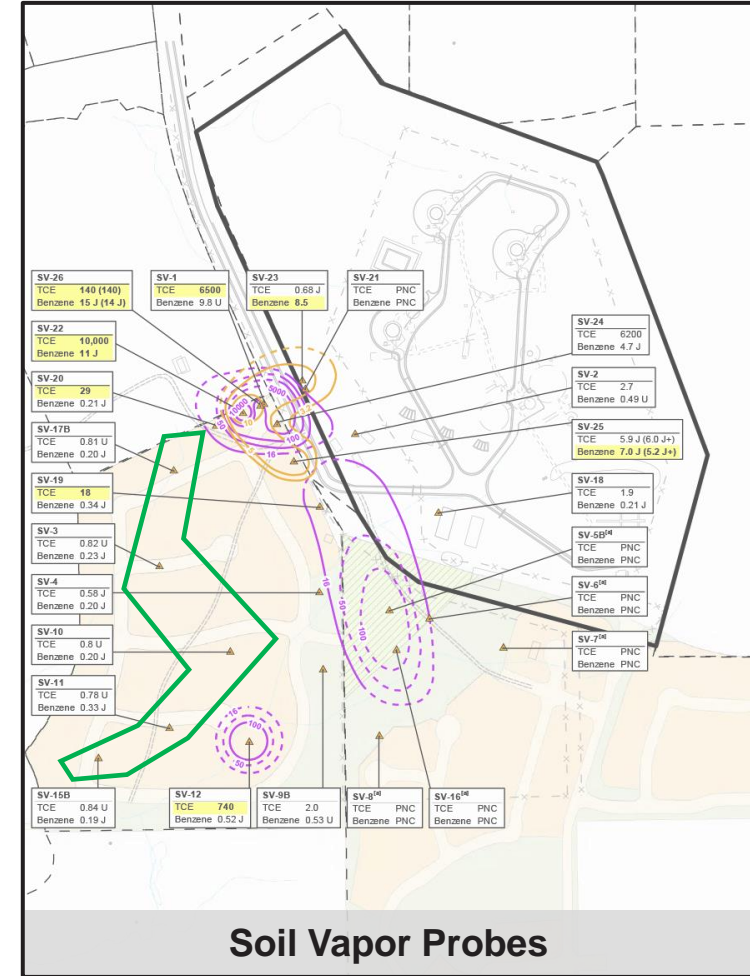
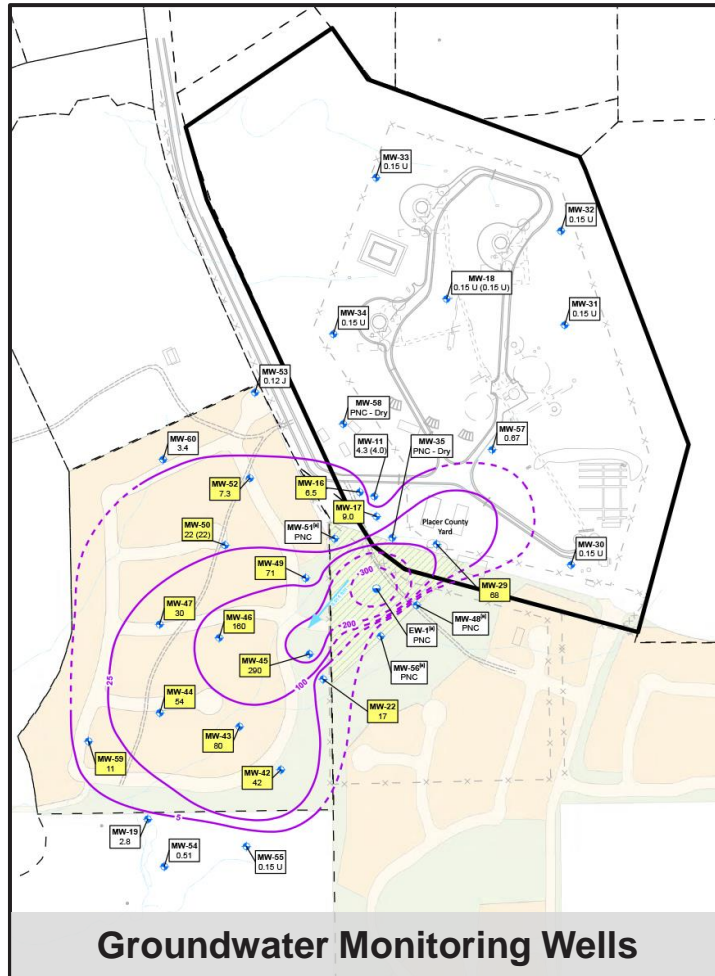
**2019:** USACE installs 19 new groundwater monitoring wells in addition to 14 pre-existing wells and 24 new Soil Vapor Probes; Begins collecting data quarterly to assess status across varying conditions.



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# LATEST SAMPLING DATA (AS OF 2022 Q3)

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Data tells us that nearby residences are not being exposed to TCE vapors, and there is no evidence TCE is reaching nearby neighborhoods. **There is no imminent danger to surrounding communities.**



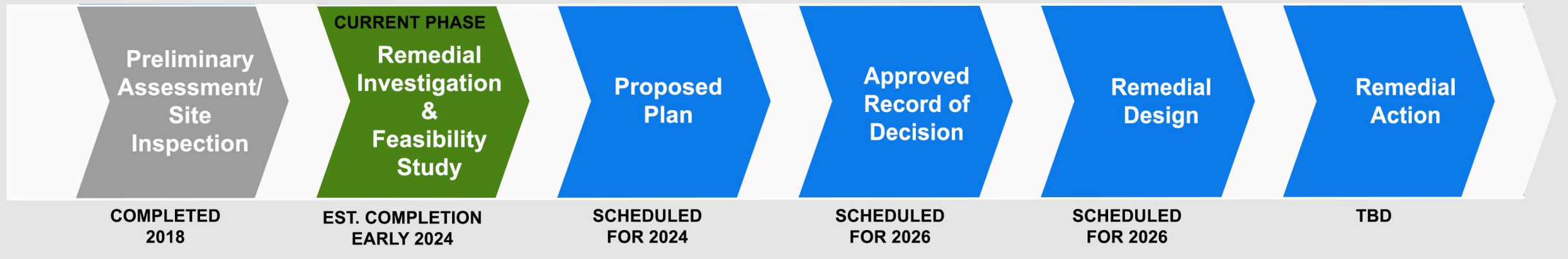
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# REMEDIAL ACTION STATUS / SCHEDULE



FUDS projects must proceed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Defense Environmental Restoration Program (DERP) Manual, and ER 200-3-1 FUDS Program Policy.

## KEY MILESTONES IN CERCLA PROCESS



USACE is currently focused on completing the requisite studies to make a determination regarding the type and timing of mitigation strategies. It is too early to know when mitigation will be complete.



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# PUBLIC ENGAGEMENT



## **Restoration Advisory Board:**

USACE sent letters to 450 property owners within 1/3 of a mile of project location in FEB 2023 to gauge community interest in forming a RAB.

USACE is currently reviewing community responses to make a determination.

This action occurs biennially. USACE received minimal response to 2021 & 2019 surveys.

## **Informational Public Meeting:**

Finalizing details to hold an upcoming meeting that would provide an overview of our Titan 1-A FUDS project, USACE FUDS program, our current schedule, future opportunities for public involvement, etc.

## **Project Web Site:**

USACE is developing a new web page with the latest status of our project. Here we will answer frequently asked questions and link to the latest reports/documents.

## **Contact Information:**

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