



State Water Resources
Control Board

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Central Valley Regional
Water Quality Control
Board

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PUBLIC NOTICE FACT SHEET
Former Titan 1A Missile Facility
401 Oak Tree Lane, Lincoln, Placer County

The Central Valley Regional Water Quality Control Board (Central Valley Water Board) is a state agency overseeing the investigation and cleanup of a contaminant release from a former missile facility located in the eastern outskirts of the City of Lincoln. The purpose of this fact sheet is to provide information about the ongoing site cleanup activities and to explain the next steps in that process.

BACKGROUND

In 1962, the United States Air Force (USAF) completed construction of the Titan 1A missile facility located at 401 Oak Tree Lane in Lincoln, CA (the "Site", see Figure 1). The Site consisted of three 160-foot-deep missile silos along with underground and aboveground features which were in operation from 1962 to 1965. In 1968, the USAF dismantled the facility and sold the property to Placer County. Before transferring the property, all underground and aboveground features were removed except for the missile silos, which are now filled with shallow groundwater. After buying the Site, the County used part of the property as a corporation yard and operated pistol and skeet firing ranges on other portions of the property. The ranges were closed in 1999; however, the corporation yard is still in use.

The United States Army Corps of Engineers (USACE) accepted responsibility for environmental restoration activities at the Site as part of the Defense Environmental Restoration Program's Formerly Used Defense Sites (FUDS) program. Placer County is responsible for the investigation and cleanup of the former firing ranges. Both the USACE and Placer County have conducted extensive monitoring at the Site under the oversight of the Central Valley Water Board. This monitoring shows contamination from trichloroethene (TCE) and lead. TCE was used by the Air Force as a degreaser to clean aviation and rocket parts; however, documentation on storage and use at the Site is minimal. The lead is from the County's firing ranges.

SITE CHARACTERIZATION

Since 1991, the USACE has collected groundwater, soil, and soil vapor samples on- and off-Site to assess the extent of contamination (Figure 2 shows current results). The primary chemicals of concern are TCE and its breakdown product, cis-1,2-dichloroethene (cis-1,2-DCE). The groundwater contamination extends from the Site to the southwest beneath adjacent properties. Data collected from 2002 to present show that groundwater contaminant movement is relatively stable.

According to the Central Valley Water Board's review of existing data, current residents are not exposed to contaminated groundwater since this water is not used for drinking. In addition, TCE and cis-1,2-DCE in soil gas have not been identified under existing buildings.

Between 2001 and 2004, the USACE operated a groundwater extraction and treatment system at the Site that pumped contaminated groundwater, removed the contaminants, and discharged the treated water under a permit to Ingram Slough. Based on the results of that cleanup effort, further groundwater extraction and treatment was found to be technically and economically infeasible. USACE is evaluating other options for groundwater remediation as part of future actions.

FUTURE ACTIONS

To address TCE and cis-1,2-DCE, the USACE is working to complete the Feasibility Study (FS) and have collected information and data to complete their assessment of the remedial actions necessary to protect human health and the environment. The Remedial Investigation Report was finalized and concurred with by Central Valley Water Board staff in early 2025. A Treatability Study work plan for in-ground pilot treatment of contaminated groundwater was submitted in late 2024 and concurred by Board staff in early 2025. The treatability study fieldwork will occur in early 2025 and will provide additional information to assist in remedy consideration. The draft FS is anticipated to be released in later 2025. Placer County submitted a work plan and work plan addendum to excavate the lead contaminated soil that exceeds residential criteria at the former firing ranges to ensure protection of existing and future land uses. Placer County anticipates the remediation field work to begin later in 2025.

Recreational and residential zoning is planned for the former missile facility. Land use covenants (aka deed restrictions) are currently in place to make sure that property owners do not drill drinking water wells into potentially contaminated groundwater, and to ensure that vapor protection building standards apply to buildings constructed where vapor intrusion is a possibility. Central Valley Water Board staff will continue to review the data and development plans to ensure that effective cleanup and abatement efforts are completed and that residents are not put at risk.

In 2024, the USACE established a Restoration Advisory Board (RAB) for the project. The RAB meetings are open to the public and consist of community members along with USACE and Central Valley Water Board staff. Information regarding RAB meetings and newsletters can be found by emailing the RAB directly at rabtitan1a@schca.com.

FOR MORE INFORMATION

Additional information is available on the State Water Resources Control Board GeoTracker website at https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606189198 and the case file, which is available for review at the Central Valley Water Board office in Rancho Cordova. To make an appointment for a file review, please call (916) 464-3291.

Please contact Robert Fagerness with the Central Valley Water Board if you have any comments/questions regarding the Former Titan 1-A Missile Facility, or any of the information in this Fact Sheet:

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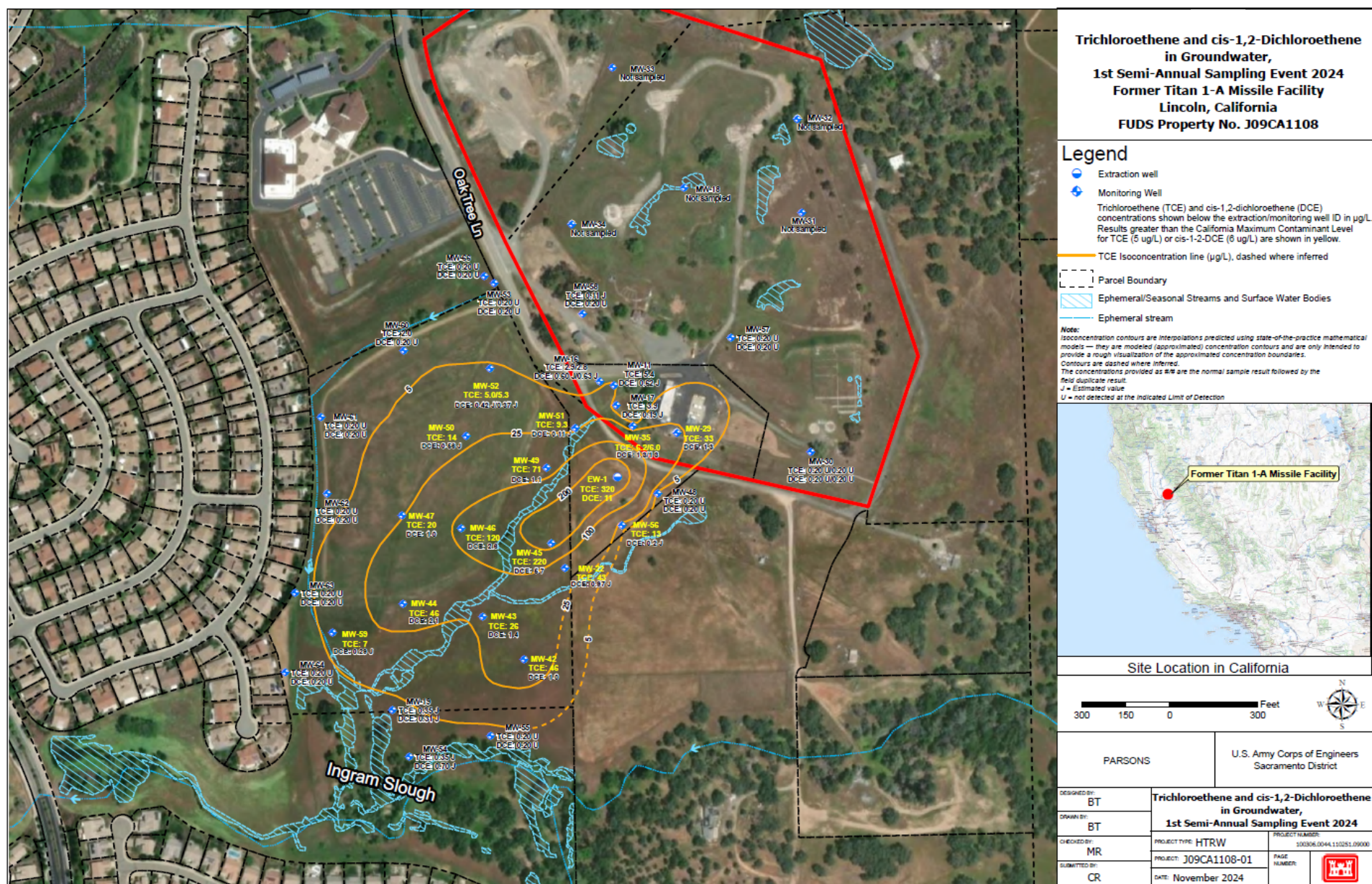
Notice to the Hearing Impaired

TDD users can obtain information about the Site by using the California State Relay Service (800) 735-2929 to reach the Public Participation Specialist.

Figure 1 – Site Location Map

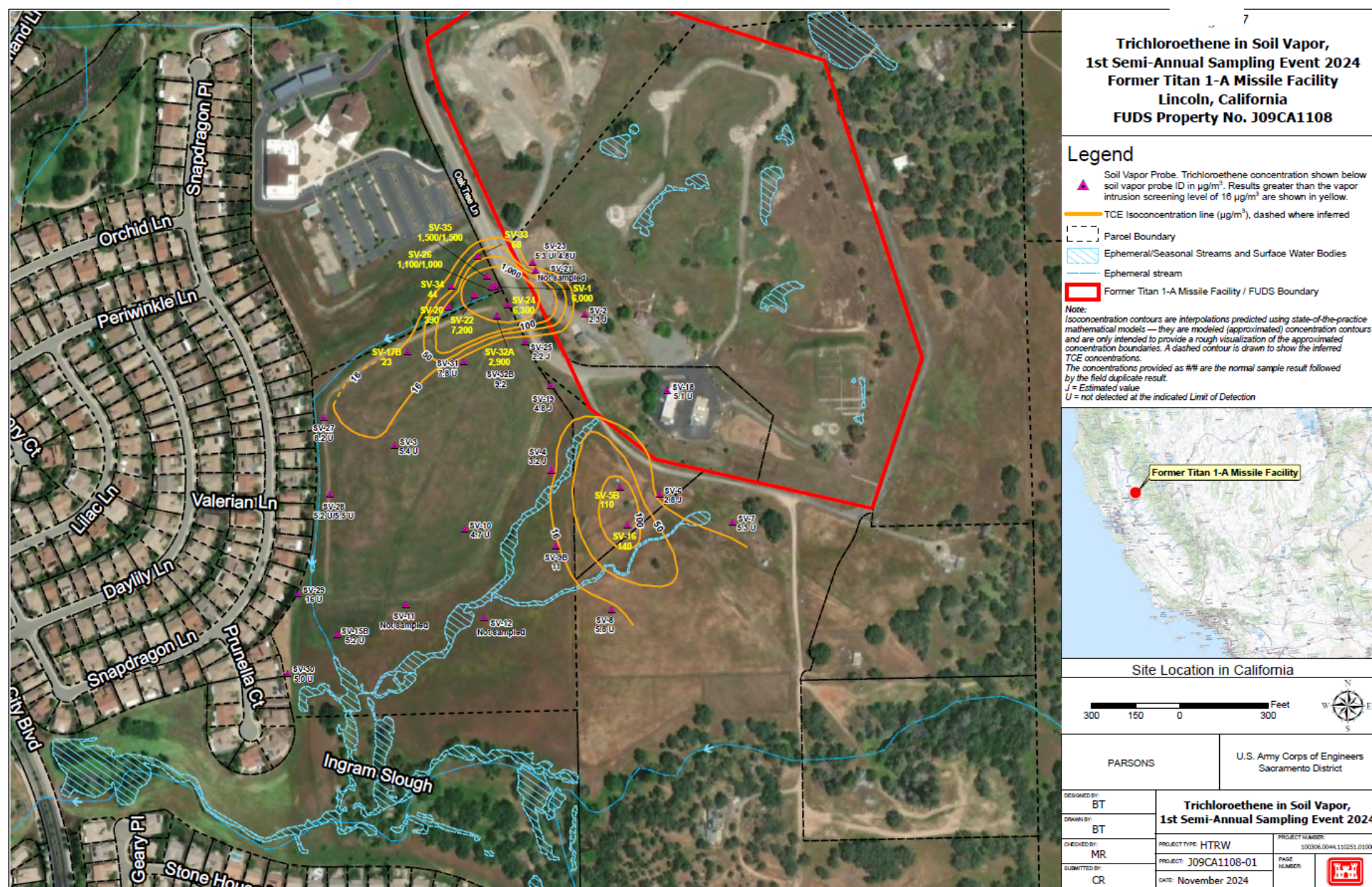


Figure 2 – May 2024 Groundwater Trichloroethene (TCE) Cis-1,2-Dichloroethylene Results



Source: First Semi-Annual 2024 Groundwater and Soil Vapor Monitoring Report
Beale Air Force Base (AFB), Former Titan 1-A Missile Facility

Figure 3 – May 2024 Soil Vapor Trichloroethene (TCE) Results



Source: First Semi-Annual 2024 Groundwater and Soil Vapor Monitoring Report
Beale Air Force Base (AFB), Former Titan 1-A Missile Facility